

SYAMA PRASAD MOOKERJEE PORT, KOLKATA
Kolkata Dock System

Engagement of IT Executives (on contract) - Cyber Security, Network, Mobile Application Developer, Web Application Developer and GIS under IT Wing under GAD of Kolkata Dock System

Syama Prasad Mookerjee Port, Kolkata invites applications from amongst eligible Indian Nationals for engagement of five (05) IT Executives (one each in Cyber Security, Network, Mobile Application Developer, Web Application Developer and GIS), on contractual basis, for a period of three (03) years.

2. The details of eligibility criteria and terms & conditions for such engagement are given below:-

| | | |
|-------|--|--|
| (i) | Age limit for applying (as on the date of publication of advertisement) | Upper age limit not exceeding 40 years |
| (ii) | Monthly Remuneration | Rs. 70,000/- (consolidated per month) |
| (iii) | Essential | <p>i. They should possess a degree in BE (Computer Science or IT) / B. Tech (Computer Science or IT)/ MCA / M. Sc. (Computer Science or IT) / Post Graduation Degree in the respective fields of IT/GIS.</p> <p>ii. They should possess an experience of working for a minimum period of 3 years in the relevant field (Cyber Security / IT Network / Mobile Application Development/ Web Application Development/ GIS).</p> |

3. Skills required for the aforementioned engagement are as given below:

(a) IT Executive - Cyber Security:- One (01) Post

- Industry-recognized certifications such as CISSP, CISM, CEH, CompTIA Security, or similar certifications.
- A deep understanding of essential cyber security principles, concepts, and terminology including knowledge of attack vectors, defence strategies, and risk management.
- Understanding of cloud security principles and services.
- Knowledge of container security.
- Proficiency in securing different operating systems.
- Proficiency in securing network infrastructure, including firewalls, intrusion detection and prevention systems (IDS/IPS), and network segmentation.

- The ability to identify and assess vulnerabilities in systems and applications.
- Skills in conducting penetration tests to simulate real-world attacks and discover weaknesses.
- Expertise in responding to security incidents and breaches including knowledge of incident handling procedures, digital forensics, and malware analysis to investigate and mitigate security breaches effectively.
- Implementing Security Information and Event Management (SIEM) systems.

(b) IT Executive - Network:- One (01) Post

- Certifications from networking vendors like Cisco (CCNA, CCNP), Juniper (JNCIA, JNCIP), or similar.
- Proficiency in configuring and managing network devices such as routers and switches from various vendors like Cisco, Juniper, or HP.
- Knowledge of security protocols, firewalls, intrusion detection systems, and VPNs to secure network infrastructure.
- Expertise in diagnosing and resolving network connectivity issues, including packet capture and analysis using tools like Wireshark.
- Familiarity with network monitoring and management software such as SNMP, NetFlow, Nagios, or Cisco Prime.
- Proficiency in configuring and managing Domain Name System (DNS) and Dynamic Host Configuration Protocol (DHCP) servers.
- Familiarity with various network protocols, including BGP, OSPF, EIGRP, and RIP for routing, as well as HTTP, FTP, SMTP, and DNS for application-level protocols.

(c) IT Executive - Mobile Application Developer:- One (01) Post

- Mastery of React Native, including its core concepts, components, and the ability to build cross-platform mobile apps for Android or iOS.
- Proficiency in Android app development using Java or Kotlin.
- Knowledge of state management libraries like Redux or Mobx for handling complex application states in React Native apps.
- Familiarity with third-party libraries and modules commonly used in React Native development, such as navigation libraries (e.g., React Navigation) and API libraries (e.g., Axios).
- Proficiency in using debugging tools and libraries like React Native Debugger or Flipper to identify and resolve issues efficiently.
- Adherence to Google's Material Design principles for creating modern and consistent user interfaces.
- Skills in optimizing the performance of React Native apps, including reducing app size, improving rendering performance, and memory management.

(d) IT Executive - Web Application Developer:- One (01) Post

- Proficiency in JavaScript is foundational for both front-end and back-end development in the MERN stack.
- Mastery of React for building dynamic and responsive user interfaces; Knowledge of state management with tools like Redux or React Context.
- Strong understanding of Node.js for server-side development.

- Ability to build RESTful APIs and work with the Express.js framework.
- Expertise in MySQL, PostgreSQL, Oracle, MongoDB for NoSQL database management.
- Knowledge of schema design, indexing, and database optimization.
- Proficiency in HTML and CSS for structuring and styling web applications.
- Understanding of database query languages like SQL and familiarity with ORMs (Object-Relational Mapping) such as Mongoose for MongoDB.
- Experience in integrating third-party APIs and services into web applications.
- Familiarity with authentication and authorization mechanisms like JWT (JSON Web Tokens) and OAuth.

(e) IT Executive - GIS:- One (01) Post

- Relevant GIS certifications, such as Esri's ArcGIS Desktop Professional or similar.
- Expertise in cartographic principles for creating clear, visually appealing maps and visualizations that effectively convey information.
- Ability to collect, organize, and integrate geospatial data from various sources, including GPS, remote sensing, databases, and online services.
- Proficiency in processing and interpreting satellite and aerial imagery for applications such as land cover analysis, environmental monitoring, and disaster assessment.
- Knowledge of scripting and programming languages (e.g., Python, R, Java Script) to automate GIS tasks, develop custom applications, and extend GIS functionality.
- Experience in creating web-based GIS applications using platforms like ArcGIS Online, ArcGIS Server, or open-source solutions like Leaflet and Open Layers.
- Proficiency in managing geospatial databases, including data modelling, spatial indexing, and querying using databases like PostgreSQL / Post GIS or Oracle Spatial.

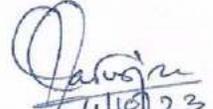
3. The candidates fulfilling the above eligibility criteria and agreeable to the Terms & Conditions given below for engagement of **IT Executive - Cyber Security/ IT Executive - Network/ IT Executive - Mobile Application Developer/ IT Executive - Web Application Developer/ IT Executive - GIS (on contract)**, may submit their applications (**in hard copies**) as per the attached proforma under "**Annexure-I**" on or before **03.11.2023**, duly superscribing on the envelope "**Application for engagement as IT Executive (Cyber Security/ Network/ Mobile Application Developer/ Web Application Developer/ GIS) (on contract)**" (please put the name of the post applied for) addressed to – Sr. Dy. Secretary-II, Syama Prasad Mookerjee Port, Kolkata, 15, Strand Road, Kolkata – 700001, along with the following relevant documents.

4. The candidates, fulfilling the eligibility criteria, shall be called for Written/Proficiency Test and/or Personal Interview, date, time and venue of which will be intimated in due course. The applicants should carry the original and one additional set of photocopies of the following documents at the time of the interview:-

- (i) Age Proof Certificate (Birth Certificate issued by appropriate Authority/Admit card of Board Examination)
- (ii) Educational and Professional Qualification Certificates/ Mark Sheet
- (iii) Experience Certificate

- (iv) 2 recent passport size photographs
- (v) Photo identity card issued by Govt. of India (Voter/PAN Card/Passport/Driving License etc.) in original

5. Mere submission of application does not confer any right or claim on the candidates for engagement as IT Executives (Cyber Security/ Network/ Mobile Application Developer/ Web Application Developer/ GIS), on contract. SMP, Kolkata reserves the right to cancel/ withhold the selection process without assigning any reason thereof. If any application is found to be incorrect/false even after engagement, the contract is liable to be terminated forthwith. The selected candidates shall be required to submit an Antecedent Verification report, issued by the appropriate Police Authority and undergo medical fitness test before joining the service.



(S.S. Chatterjee)

Sr. Dy. Secretary-II
For Secretary

Application for Engagement as

Self-attested
Photograph
of the candidate
to be affixed here

| | | |
|-------|---|--------------------------------------|
| i) | Name | |
| ii) | Father's / husband's name | |
| iii) | Date of birth (Self-attested copy of proof to be enclosed) | |
| iv) | Permanent address | |
| v) | Address for communication | |
| vi) | Nationality | |
| vii) | Marital status | |
| viii) | Religion | |
| ix) | Educational qualifications with percentage of marks obtained (Class/Division) | |
| | Course/Examination | Subject or Specialization |
| | | Name of the institute/ university |
| | | Percentage (%) with Division / Class |
| | Secondary / Madhyamik (or equivalent) Diploma | |
| | Higher Secondary | |
| | Graduation | |
| | Post-Graduation Degree | |
| x) | Professional qualification | |
| xi) | Working Experience | |
| | Company Name | Scale of pay & Present Basic Pay |
| | | Post/Designation |
| | | Period (_____ to _____) |
| | | Duration |
| xii) | Phone number | |
| xiii) | E-mail address | |
| xiv) | Any other relevant information | |
| xv) | Signature of the candidate | |

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**TERMS AND CONDITIONS FOR CONTRACTUAL ENGAGEMENT IN
SYAMA PRASAD MOOKERJEE PORT, KOLKATA (SMPK)**

1. The contractual engagement will be provisionally for a period of three (03) years (as already mentioned in the advertisement). The renewal of the contract will be subject to annual performance review of the candidate after completion of each calendar year of service. On expiry of the term of the contract, SMPK reserves the right to enter into any fresh contract for such period and on such Terms and Conditions as may be mutually agreed upon by the parties.

[Grading Range: A – Outstanding, B – Very Good, C – Good or Satisfactory, D – Poor, Minimum Benchmark – Very Good].

2. The engagement is subject to satisfactory verification of certificates, testimonials and personal particulars/ credentials of the selected candidate. SMPK reserves the right to get a background check (including criminal history record search, education and employment; and personal details verification) conducted on the selected candidate, which the selected candidate should explicitly agree to.

3. After the engagement, if antecedent verification reveals any discrepancy in the statement(s) made in the application or in the bio-data with SMPK or in the declarations made by the selected candidate, his/her engagement is liable to be terminated forthwith without any notice or compensation.

4. When the period of contract is for 3 years, the contractual officer/employee will be required to furnish a bond to serve SMPK for at least one year. If the contractual officer/employee resigns before one year, he/she will have to pay an amount equivalent to his/her remuneration of two months to SMPK. After expiry of one year, both parties would be at liberty to terminate the contract after giving one month's notice. However, for either party, in lieu of notice period of one month, remuneration of one month would have to be paid to the other party.

5. The candidate may avail of the facility of SMPK accommodation (unfurnished) on payment of licence fee, rent as applicable. In such case, the candidate will be required to furnish advance security deposit equivalent to one month's rent/licence fee and he/she will be required to handover possession of the quarters within one month from the date of termination of contract. The security deposit amount would be refunded only after adjustment, on pro-rata basis, against the rent/licence fee of the period of occupation, beyond termination. In case of failure to vacate the quarters within this stipulated time, appropriate legal and police action will be initiated against the incumbent, holding him / her responsible for the costs and consequences thereof.

6. The Head office of the selected candidate will normally be at 15 Strand Road, Kolkata - 700001. However, the candidate may be required to work at any place within the jurisdiction of the Syama Prasad Mookerjee Port, Kolkata (SMPK).

7. The candidate will normally be required to work as per practice followed in his/her place of posting. For work on weekly off day/ declared National Holiday in exigency, he/she will be granted a compensatory day off/ rest, conveniently in lieu thereof and for this, no other compensation, monetary and otherwise would be granted.



8. The selected candidate will be required to use the SMPK provided e-mail ID and Internet for SMPK's business purposes. He / She will not share his / her access card with anyone else and maintain good housekeeping practices. It is expected, the selected candidate will attend office in a professional manner at all times.

9. The selected candidate will be prohibited from using or sharing information, not publicly disclosed, which he / she may obtain during the course of work for SMPK, for his / her personal gain or advantage, or for the personal gain or advantage of anyone with whom he / she improperly shares such information. This restriction applies to such information related to any company, not just SMPK and its clients and their affiliates. During the engagement, the selected candidate will not store, possess, use or disclose confidential / personal / sensitive information or data (including those from any of his / her previous employment(s) with other organizations) in an unauthorised manner. In case the incumbent fails to abide by this condition, appropriate legal and police action will be initiated against the incumbent, holding him / her responsible for the costs and consequences thereof.

10. The selected candidate will not, during the engagement with SMPK divulge to anyone any information, secret, accounts or dealings relating to SMPK's business, its affairs or its clients, service providers, sub-contractors or vendors, other than to the authorised SMPK officials.

11. On discontinuation of engagement, the selected candidate will return to SMPK, all papers and documents and all other property pertaining to SMPK or affairs of SMPK or its client or any of its associates or branches, which may be in his / her possession, and will not retain any copy or extract there from.

12. In case of any breach of confidentiality caused by the selected candidate, either during or after the termination of engagement with SMPK, he / she will be personally liable to SMPK.

13. The selected candidate must not host, display, upload, modify, store, make available or transmit, publish, update or share in or through the Facilities of SMPK or otherwise any information or material which:

- Belongs to another person to which the selected candidate does have no right and / or which infringes any person's intellectual property rights;
- Is or is likely to be perceived as defamatory, threatening, misleading, offensive or inappropriate, or materially misrepresents facts;
- Contains any virus, harmful component or corrupted data or any other computer code, files or programs designed to interrupt, destroy or limit the functionality of the computer resources and Facilities of the Firm.
- Contains any unlawful advertising, promotion or solicitation;
- Violates any applicable law or regulation;
- Is grossly harmful, harassing, blasphemous, defamatory, obscene, pornographic, paedophilic, libellous, invasive of another's privacy, hateful, or racially, ethnically objectionable, disparaging, relating or encouraging money laundering or gambling, or otherwise unlawful in any manner whatsoever;
- Is grossly offensive or menacing in nature;
- Impersonates another person;



14. SMPK reserves the right to take all reasonable steps to protect its interests. This includes ensuring that systems and equipment are used for the proper purposes. The selected candidate must understand that there may be regular checks in respect of usage or access of SMPK's system and equipment. For the avoidance of doubt, this includes, telephone system, computer resources and systems, use of E-mail and internet systems and the postal system ("Facilities"). The selected candidate must also understand SMPK reserves the right, without notice, to access, listen to or read any communication or content made or received by him/ her on its Facilities, to establish the existence of facts, to ascertain compliance with regulatory or self-regulatory practices and procedures, for quality control and staff training purposes, to prevent or detect crime (including 'Hacking'), to intercept for operational purposes, such as protection against viruses and making routine interceptions such as forwarding e-mails to correct destinations, to check voice mail systems when the selected candidate may be on holiday or on sick leave.

15. Upon leaving SMPK, the selected candidate will not, without prior written consent of SMPK, canvass, solicit, interfere with or entice away any person, Firm or corporation who has, at any time during his / her employment with SMPK, been:

- A client of SMPK with whom he / she have had contact or been involved in the provision of services, or
- An employee of SMPK.

16. SMPK, from time to time, may sponsor selected staff for expensive training programs with the objective that such staff would use the skills acquired for achieving business goals of SMPK. In consideration of being chosen for such training programs, at option of SMPK, the selected candidate will be required to give an undertaking whereby he / she shall agree to continue to provide services diligently in the areas he / she acquired training and not leave SMPK for a prescribed period after completion of training.

17. The selected candidate will not be allowed to continue his / her engagement in any other remunerative occupation during the tenure of the entire contract period. During the continuance of engagement with SMPK, it is a condition of contractual engagement that the selected candidate will not engage in any other trade, business or occupation, including private practice and consulting, without obtaining prior written permission of SMPK.

18. The selected candidate will be entitled to 15 days leave per year within the period of his / her engagement (from the date of engagement) which may be availed of with prior approval. For any unauthorized absence in excess of 15 days, pro-rata deduction will be made from the consolidated remuneration.

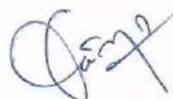
19. Additionally, Sick Leave to the extent of 10 days within the period of engagement of twelve months (from the date of engagement) due to illness may be allowed without any deduction from the remuneration on the basis of certification from SMPK, Medical Officer. Maximum 50% of unavailed Sick Leave may be carried forward to the next year, subject to the same being within the tenure of contract period. Intimation of sickness should be reported to the immediate Reporting Officer forthwith in writing together with the certificate of illness from a registered medical practitioner, in addition to verbal intimation over phone.



20. Maternity Leave shall be allowed to the contractual female employees, as per approved policy guideline, vide Circular No. Admn/7478/Medical/E2 dated 22.09.2022.
21. The selected candidate will be entitled to indoor and outdoor medical facilities (including supply of medicine from M/s. Mars Remedies) available at Centenary Hospital, SMPK for self and spouse. However, no reimbursement for medicine / medical articles purchased from outside, diagnostic test done outside or treatment receipt outside will be allowed. This restriction will not apply for treatment of injury caused due to accident arising out of and in course of employment to the selected candidate.
22. SMPK may contribute maximum 8.33% of yearly remuneration of the contractual employee towards a gratuity fund through institution like LIC, for a period of his/her contract, and upon expiry/termination of contract, such contribution will be discontinued.
23. On receipt of 7.5% annual increment for continuous 3 years, the contractual employee may be considered for elevation in rank by prefixing "Senior" against his/her existing designation apart from hike in remuneration by 3% more.
24. On official tour outside Headquarter, the candidate will be entitled to TA / DA as admissible to the regular incumbent to the post.
25. The candidate will be responsible for the charge and care of the SMPK's money, goods, and stores and all other properties that may be entrusted on him / her and he / she will be accountable for the same.
26. SMPK reserves its right to take appropriate legal action for the following events:
- (i) Misconduct
 - (ii) Breach of instructions by a contractual employee
 - (iii) Failure to safeguard the assets of SMPK
 - (iv) Activities which bring SMPK into disrepute
 - (v) Any furnished declaration is false
 - (vi) The contractual employee is found to have wilfully suppressed any material information
 - (vii) Criminal conviction by court of law
 - (viii) Failure to adhere to SMPK Policy, office procedures and related items that may be in force from time to time or
 - (ix) Where situations warrant action outside the above

In the event that SMPK exercises this right, it may, at any time during the course of the engagement, by stating their intention to do so in writing, terminate the contractual engagement without giving notice or one month's salary payment in lieu of that notice, in addition to taking any other legal action as deemed fit.

27. The contractual engagement may be terminated by giving one month's notice from either side. However, the engagement is terminable on 24 hours' notice for unsatisfactory performance and / or any act considered to be derogatory / detrimental to the interest of SMPK.



28. The selected candidate, while leaving SMPK service, will be required to return to SMPK, all documents, including copies thereof and property including but not limited to corporate mobile phone, internet data card and comply with licensed accommodation terms, where applicable, before the last working day in order to obtain release. The candidate will also be specifically restrained from keeping copies or extracts of any of the Firm's or client's documents with him / her, after release from the services if SMPK, except with specific written permission from SMPK. As part of exit formalities, he / she will have to provide in writing to SMPK that he / she has not retained any data / confidential information relating to SMPK and / or its clients and that he / she will be personally liable to SMPK and / or its clients in the event that it is found that any data / confidential information was nevertheless retained by him / her. This liability shall remain whether or not any such data / confidential information is later disclosed by him / her.

29. The canteen facility of KDS, as are available to other employees would be extended to the selected candidate.

30. The selected candidate will be required to sign legal / financial document, as the case may be, that may be required to be signed in exigencies of work during his / her day-to-day functions. In such case, it will be the sole responsibility of the selected candidate to get such document approved and countersigned by the Competent Authority.

31. The person on contractual engagement will have to subscribe the stipulated percentage of his / her wage to the ESI and EPF Authorities as provided under ESI Act, 1948 and EPF and Miscellaneous Provisions Act, 1952 as may be applicable and admissible from time to time. If decided by the Appropriate Authority in SMPK, the required percentage of wage would be deducted from the salary and remitted to the concerned authority. SMPK would also subscribe the employer's contribution to the said authorities in favour of the person on contractual engagement as per provisions of ESI Act, 1948 and EPF and Miscellaneous Act, 1952 as may be applicable and admissible from time to time.

32. The condition contained herein are indicative only and can be modified from time to time.

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