



**KERALA STATE IT MISSION**  
**ICT Campus, Vellayambalam, Trivandrum**



KSITM/EC/RPR/2017

11.09.2017

Kerala State IT Mission, autonomous nodal IT implementation agency for Department of Information Technology, Government of Kerala, invites applications to various posts as per details given below:

<b>1. Name of Post</b>	<b>: Security Analyst - Network</b>
<i>Mode of Appointment</i>	: Contract for 3 years ONLY
<i>Number of vacancies</i>	: 1
<i>Project / Department</i>	: CERT-K
<b>Qualification- Required</b>	: MCA/BE/B.Tech in CS/IT/Electronics  Certifications – CCNA(Routing and Switching), CCNP(Routing and Switching) and at least one Certification among:  CISSP, CISM, ECSA, ENSA, SSCP, CCSP, GIAC certifications – GSEC, GCED, GPPA, GCIA, GMON, GSNA, CompTIA certifications - CompTIA CSA+, CompTIA Network+, CompTIA Security+
<i>Desirable</i>	: CCSA (Checkpoint Certified Security Administrator), JNCIA ( Juniper Certified Network Associate) Fortigate certified (FCNIA)
<i>Experience</i>	: 8+ years in IT with 6+ years in Network Security.
<i>Age Limit</i>	: 45
<b>Key Skills - Technical</b>	: <ul style="list-style-type: none"><li>• Experience working in a large complex networking environment is required. Excellent analytical and articulation skills. Expertise in managing and Troubleshooting Data center ( DC) network with static routing, and dynamic routing protocols.</li><li>• Manage and Troubleshoot DC switch network configurations Handle and troubleshoot DC Firewall products</li><li>• Handle and Troubleshoot DC setup with IPSEC VPN tunnels configurations CS solutions like SIEM, DLP, APT, Proxy, End Point security</li><li>• Configure Firewall/ IDS/ IPS with security rules</li><li>• Good knowledge and hands on experience in handling and troubleshooting Web Security Services using Bluecoat Web Gateways</li><li>• Strong understanding of IaaS and virtualization platforms such as Amazon Web Services (AWS) EC2, VMware vSphere, OpenStack, Azure etc</li></ul>

- Emerging Technologies - Cloud Security, Mobile -- Security, Data Analytics, Cyber Forensics, Cyber Risk Sciences etc.

- Behavioural

: Passionate, socially committed and willingness to work extra for the benefit of the organization

*Job Description*

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- Lead Security efforts in securing network infrastructure
- Risk Assessment of IT infrastructure of Govt
- Lead efforts to implement security solutions in Govt
- Lead efforts to implement security controls as part of ISO27001
- Create RFP and technically lead any outsourcing of network infrastructure security related work
- Provide expertise to Govt organizations in securing network infrastructure
- Plan, implement and upgrade security measures and controls
- Establish plans and protocols to protect digital files and information systems against unauthorized access, modification and/or destruction
- Maintain data and monitor security access
- Perform vulnerability testing, risk analyses and security assessments
- Conduct internal and external security audits
- Anticipate security alerts, incidents and disasters and reduce their likelihood
- Manage network, intrusion detection and prevention systems
- Analyze security breaches to determine their root cause
- Recommend and install appropriate tools and countermeasures
- Define, implement and maintain corporate security policies
- Train fellow employees in security awareness and procedures
- Coordinate security plans with outside vendors

**2. Name of Post : Security Analyst - Software**

*Mode of Appointment*

: Contract for 3 years ONLY

*Number of vacancies*

: 1

*Project / Department*

: CERT-K

**Qualification - Required**

: MCA/BE/B.Tech in CS/IT/Electronics

Certifications – At least one Certification among:

CISSP, CISM, CSSLP, ECSA, LPT, ECIH, ECSP, ENSA, SSCP, CASS, OSWE, GWEB, CWAPT, GIAC certifications – GPEN, GWAPT, GCIH, GCI, GREM, GISP, GXP, GSSP, GWEB, GSE, CompTIA certifications - CompTIA CSA+, CompTIA Security+, CompTIA Mobility+

<i>Desirable</i>	: Software Application Development/ Design/ Architecture certifications
<i>Experience</i>	: 8+ years experience in IT with 4 years in Application Security auditing/ remediation and 4+ years in Software architecture, design and development. Experiences mentioned above need to be exclusive and not overlapping.
<i>Age Limit</i>	: 45
<b>Key Skills - Technical</b>	: <ul style="list-style-type: none"> <li>• Technical experience with Java or similar enterprise programming language, especially related to secure coding best practices.</li> <li>• Demonstrated experience designing secure multi-domain Internet facing applications</li> <li>• Experience providing security architecture advice for web based network environments and secure communication between environments, including web services, web applications and mobile applications.</li> <li>• Experienced in mobile security architecture concepts, design, implementation along with Android and IOS.</li> <li>• Experience of continuous delivery/continuous integration processes and procedures including critical security considerations in automated workflows</li> <li>• Web App Security testing using automated tools and manual testing strategies.</li> <li>• Mobile App security testing - AppFuzzing, Reverse Engineering,</li> <li>• Expertise in Security tools, frameworks, standards - BURP Suite, Nmap, Nessus, CSRF Tester, KALI Linux, Metasploit, W3af, OWASP</li> <li>• Extensive experience in leveraging industry standards and frameworks such as - OWASP, CIS, NIST, ISO/IEC 17799, ISO/IEC 27001, etc.</li> <li>• Cyber Threat, Vulnerability and Risk Assessment : Ability to identify business implications and identifying tactical and strategic recommendations to mitigate risk.</li> </ul>
<i>- Behavioural</i>	: Passionate, socially committed and willingness to work extra for the benefit of the organization, Strong communication skills
<i>Job Description</i>	: <ul style="list-style-type: none"> <li>- Lead Security efforts in implementing Application security measures</li> <li>- Risk Assessment of IT software systems of Govt</li> <li>- Lead efforts to implement security solutions in Govt</li> <li>- Lead efforts to implement security controls as part of ISO27001</li> <li>- Create RFP and technically lead any outsourcing of network infrastructure security related work</li> <li>- Provide expertise to Govt organizations in securing Softwares/ application</li> </ul>

<b>3. Name of Post</b>	<b>: Engineer - Security Audit</b>
<i>Mode of Appointment</i>	: Contract
<i>Number of vacancies</i>	: 1
<i>Project / Department</i>	: CERT-K
<i>Remuneration</i>	: Rs.36,000/- per month
<b>Qualification - Required</b>	: BTech in Computer Science/ Electronics/ IT
<i>Desirable</i>	: Industry security certifications in VA/ PT such as CEH, LPT etc
<i>Experience</i>	: 3 to 5 years in Information Security roles
<i>Age Limit</i>	: 35
<b>Key Skills - Technical</b>	: <ul style="list-style-type: none"> <li>• Vulnerability Assessment/ Penetration Testing</li> <li>• Web App Security testing using automated tools and manual testing strategies.</li> <li>• Mobile App security testing</li> <li>• Expertise in Security tools, frameworks, standards - BURP Suite, Nmap, Nessus, CSRF Tester, KALI Linux, Metasploit, W3af, OWASP</li> <li>• Extensive experience in leveraging industry standards and frameworks such as - OWASP, CIS, NIST, ISO/IEC 17799, ISO/IEC 27001, etc.</li> <li>• Cyber Threat, Vulnerability and Risk Assessment : Ability to identify business implications and identifying tactical and strategic recommendations to mitigate risk.</li> </ul>
<i>- Behavioural</i>	: Passionate, socially committed and willingness to work extra for the benefit of the organization, Strong communication skills
<i>Job Description</i>	: <ul style="list-style-type: none"> <li>- Vulnerability Assessment/ Penetration Testing of Softwares/ infrastructure</li> <li>- Lead Security efforts in auditing Applications</li> <li>- Risk Assessment of IT software systems of Govt</li> <li>- Research and Development in VA/PT</li> <li>- Implement security controls as part of ISO27001</li> </ul>

<b>4. Name of Post</b>	<b>: System Analyst</b>
<i>Mode of Appointment</i>	: Contract
<i>Number of vacancies</i>	: 1
<i>Project / Department</i>	: Service Plus
<i>Remuneration</i>	: Rs.35,100/- per month
<b>Qualification - Required</b>	: BTech/ MCA with First Class
<i>Desirable</i>	:
<i>Experience</i>	: 4 years IT experience in Software Development Life Cycle, especially in Requirements gathering and analysis, quality assurance and documentation. Programming experience in Javascript is desirable.
<i>Age Limit</i>	: 35

**Key Skills - Technical**

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- Business Analysis – requirements gathering, analysis, SRS/ Use case/ Test case preparation, prepare flow chart, process flows etc
- Excellent Analytical Skills
- Excellent communicative skills – both written and verbal
- Ability to effectively interface between client and technical team
- Expertise in using word processing and design tools such as Visio
- Programming skills in Javascript

**- Behavioural**

: Passionate, socially committed and willingness to work extra for the benefit of the organization, Excellent communication skills

**Job Description**

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- Interface with Government departments in understanding business requirements, analysing requirements and creating Requirements documentation - use cases, SRS and test cases.
- Preparing wireframes of User Interface
- Interface with technical team in designing and developing applications
- Functionality testing and UAT
- Lead project. Identify opportunities for automating systems in Government departments.
- Develop functional specifications for use by system developers
- Train end users
- Design application based on requirements. Program validations using Javascript
- Take responsibility for deploying functional solutions, such as creating, adopting and implementing system test plans, which ensure acceptable quality and integrity of the system
- Documentation of artifacts

**5. Name of Post : Web GIS Developers (Software Programmers)**

*Mode of Appointment* : Contract

*Number of vacancies* : 2

*Project / Department* : KSDI

*Remuneration* : As per industry standards

**Qualification - Required** : B.Tech in IT / Computer Science or MCA or MSc Computer Science or (Science Degree/Diploma with PGDCA)

*Desirable* : Knowledge in GIS (Open Source Platform)

*Experience* : 2 - 3 years experience in Web Based Technologies(Open Source Platform) & Android Development. Work experience in GIS, Openlayers / Leaflet, Geoserver, PostGIS with PostgreSQL is mandatory.

*Age Limit* : 35 Years

- Key Skills - Technical** :
- Strong programming skills in PHP and Android
  - Good in JavaScript, CSS, JQuery, , Bootstrap, Ajax and CSS
  - Database skills in Postgresql and Mysql
  - Development of Client Android application that consume web services Cloud services
- Behavioural : Professional as well as Ethical
- Job Description** :
- Application / GeoPortal Development
  - Hosting, Updates & Maintenance

**6. Name of Post : GIS Analyst (Junior Technical Officer)**

- Mode of Appointment** : Contract
- Number of vacancies** : 1
- Project / Department** : KSDI
- Remuneration** : As per industry standards
- Qualification - Required** : Post graduation in Geography / Geology / GeoInformatics or any related discipline.
- Experience** : 2 year experience in GIS and Remote Sensing. Work experience in spatial data management, Support developers in data handling.
- Age Limit** : 35 Years
- Key Skills - Technical** : Working Experience on ArcGIS, QGIS, ERDAS, Microsoft Office Packages
- Behavioural : Professional as well as Ethical
- Job Description** :
- Data/Layer Conversion
  - Spatial Data Generation
  - Spatial Adjustment
  - Transformation / Reprojection
  - Seamless data Preparation
  - Topology Correction
  - Feature Editing
  - Attribute Standardization
  - Thematic Map preparation
  - Metadata Preparation
  - Data Structure Table Preparation
  - QA/QC
  - Layer Symbology Preparation
  - Service (WMS / WES) Creation etc.

**7. Name of Post : Software Developer**

- Mode of Appointment** : Contract
- Number of vacancies** : 4
- Project / Department** : 2 for UIDAI and 2 for Kerala Innovation Warehouse.
- Remuneration** : As per Industry Standard.

**Qualification** : B.Tech (CS/IT/ECE)/ MCA  
**Experience** : 3 years Web development experience in PHP.  
**Age Limit** : 35  
**Key Skills - Technical** :

- Web development experience in PHP.
- Development experience with HTML5 & Java Script (Angular JS / Ember JS / Node JS / Backbone, JQuery) & CSS3 Web Frameworks (Backbone/ Bootstrap / LESS), Adobe Photoshop, Dream weaver.
- Strong knowledge on MySQL database and SQL commands. Knowledge in PostgreSQL will be an added advantage.
- Prior experience with developer APIs, SDKs and developing web services.
- Android Development Experience desirable.
- Expertise with issues tracking systems, distributed source control (git) and unit testing is an advantage.
- Strong skills in design, development, debugging, and problem solving.
- Good knowledge on open source Content Management Frameworks like (Drupal/ Word Press/Joomla/Laravel/ Concrete5.
- Understanding of Government policies and ability to communicate to other Department for the on boarding exercise.

**- Behavioural** :

- Passionate, socially committed and willingness to work extra for the benefit of the organization, Strong communication skills, achieve the targets as per schedule.
- Excellent communication (verbal & written) skills required
- Ability to multitask and manage multiple priorities concurrently
- Good team skills. Ability to work collectively towards team goals

**Job Description** :

- Liaison with participating Department, Product team and NEGD.
- Design, develop, test, deploy and maintain software as per requirements.
- Documentation and Training of the application.
- Regular review & improve upon current processes & methodologies

**8. Name of Post** : **Helpdesk Executive**

**Mode of Appointment** : Daily Wage Basis

*Number of vacancies* : 1  
*Project / Department* : UIDAI  
*Remuneration* : As per G.O(Ms) No. 56/17/Fin dtd 28.4.2017

**Qualification** : Any University degree with Degree or Diploma in Computer Science / Computer Applications / IT

*Experience* : Minimum 4-6 years of experience in helpdesk or call centre environment handling technology related issues

*Age Limit* : 35

**Key Skills - Technical** :

- Understanding of Government policies and ability to communicate to public, departments and other stakeholders.
- Ability to use email, websites and Office software such as Word, Excel, PowerPoint, Access etc.
- Experience of working in a similar role would be preferred.
- Prior experience and familiarity of Aadhaar and related services desirable.

*- Behavioural* :

- Excellent communication (verbal & written) skills.
- Politeness and diplomacy in handling customers.
- Good telephone etiquette.
- Ability to multitask and manage multiple priorities concurrently.
- Good team skills. Ability to work collectively towards team goals.
- Passionate, socially committed and willingness to work extra for the benefit of the organization.

**Job Description** :

- Assist the Public, Aadhaar Enrolment Centres and departments on Aadhaar related matter.
- Resolution of issues reported through email, phone and in person.
- Compiling unresolved issues and reporting to concerned authorities.
- Following up on unresolved issues with concerned authorities systematically.
- Regular review & improve upon current processes & methodologies.
- Keeping of daily work log.
- Maintaining confidentiality of customer details
- In addition to above primary responsibilities the incumbent may be assigned any other task from time to time by Reporting officer

**General Conditions:**

- **Last date of receipt of application 25.09.2017**
- Candidates should apply in the prescribed application format downloaded from KSITM website.



- *The candidate has to meet criteria for Qualification, years of experience, validity of certifications as of date of notification of the post.*
- *Experience is considered as that acquired subsequent to award of qualifying degree certificate.*
- *Only regular full time course of the qualifying course will be considered.*
- *Teaching/ training experience will not be considered as relevant industry experience.*
- *Candidates applying for various posts have to submit separate application forms.*
- *The documents should reach by post at the address Director, Kerala State IT Mission, ICT Campus, Vellayambalam, Thiruvananthapuram-695 033 on or before 25.09.2017*

**Documents to be submitted on applying:**

1. Filled application form
2. Detailed Resume
3. Any of the Identity Proofs mentioned below:
  - i) Voter Identity Card issued by Election Commission of India
  - ii) PAN Card
  - iii) Passport
  - iv) Driving License
  - v) Aadhaar Card
4. Educational qualification certificate(s)
5. Any industry certification certificate(s)
6. Experience certificate(s) from previous employers
7. Copy of the Last drawn salary slip

**Note:**

- i) Self attested copies of the documents may be sent along with the application.
- ii) ID proof in original submitted along with application shall be produced at the time of interview.