CENTRE FOR DEVELOPMENT OF TELEMATICS

C-DOT/P&HR/Rectt./11/2023   **22.11.2023**

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Job Role	A. Project Coordinator – Cyber Security – Code – T0101
No. of Vacancy	01 no.
Location	C-DOT Delhi
Qualification	Bachelor's degree (Candidate having graduation/Post graduation in Engineering/Science/Technology or MBA or doctorate in the relevant field would be given added advantage)
CTC	1.5 lakhs per month (18 lakhs per annum)
Experience	• Minimum 5-10 years of full-time experience (preferably in Defence sector, CAPF would be given advantage)
Roles & Responsibilities	• Coordinating cyber security project in conformance with timeline and deliverables requirement • Facilitating communication with the Internal and External stakeholders • To provide inputs in coordinating with many components related to the development of an entire cyber security ecosystem • Provide inputs on creating strategic partnerships in the area of cyber security research and innovation, and onboarding different stakeholders for promoting developed solutions • Liaising with clients to identify and define project requirements, scope and objectives Act as the point of contact and communicate project status to all participants • Create and maintain comprehensive project proposal, documentation, budgeting, plans and

Skills	• Experience of dealing with large no. of users/customers through different channels
	• Excellent communication, leadership, and interpersonal skills
	• Proven work experience in handling cyber security projects. Good understanding of cyber security work areas is desired
	• Experience in project management, from conception to delivery
	• Solid organizational skills, including multitasking and time-management
	• Exceptional verbal, written, and presentation skills
	• Various certifications including Security+, CEH, GIAC, CASP, and CISSP is an added advantage

Job Role	**B. Cyber Security Data Analyst- Code – T0102**
No. of Vacancy	01 no.
Location	C-DOT Delhi
Qualification	Bachelor's degree. (Candidate having graduation/Post graduation in Engineering/Science/Technology in the relevant field would be given added advantage)
CTC	1.5 lakhs per month (18 lakhs per annum)
Experience	• At least 3-5 years of full-time experience with minimum of 1-2 years of experience on ELK or similar stack
Roles & Responsibilities	• Configuration of Kibana visualizations and Elasticsearch instances, or similar tech stack
	• Creating Log parsers for log ingestion to elastic search through Logstash

	• Performing event logs stitching, correlation, and normalization • End-to-end ELK data Ingestion, enrichment, transformation, visualization, and deployment
Skills	• Expertise in Big data/ data analytics • Logstash pipeline experience, Knowledge of Linux Shell/Python scripting • Experience in Creating Dashboards and visualization on Kibana or similar platforms, index templates and associated index management • Problem-solving with a high level of self-motivation and initiative, and excellent team player spirit

Job Role	**C. SOC Analyst - Level 2- Code – T0103**
No. of Vacancy	02 nos.
Location	C-DOT Delhi
Qualification	Bachelor's degree. (Candidate having graduation/Post graduation in Engineering/Science/Technology in the relevant field would be given added advantage)
CTC	1.5 lakhs per month (18 lakhs per annum for one resource)
Experience	• At least 5-7 years of full-time experience
Roles & Responsibilities	• Analysing incidents escalated by the SOC Analyst Level 1 and undertake the detailed investigation of the Security Event • Determine whether the security event will be classified as an incident. • Coordinating with the customer IT and Security team for resolution of the Security Incident • Escalate validated and confirmed incidents to the designated incident response team • Notify the Client of incident and required mitigation works • Fine-tune SIEM rules to reduce false positives and

	remove false negatives • Proactively research and monitor security information to identify potential threats that may impact the organization
Skills	• Ability to run and understand Sandbox Static Analysis • Must have administrative skills in several operating systems, such as Windows, OS X, and Linux • Proficiency in basic shell scripting, creating Snort rules, or other log-searching query languages and methods • Hands-on experience with Security Information Event Management (SIEM) tools, creating advanced co-relation rules, administration of SIEM, system hardening, and Vulnerability Assessments • Working experience in firewall and intrusion detection/prevention protocols. Configuration and Troubleshooting experience on Checkpoint, Cisco, Fortigate, PaloAlto and Sonicwall firewalls would be an added advantage • Various certifications including Security+, CEH, GIAC, CASP, CISSP is an addon

Job Role	**D. SOC Analyst – Level 1 - Code – T0104**
No. of Vacancy	02 nos.
Location	C-DOT Delhi
Qualification	Bachelor's degree. (Candidate having graduation/Post graduation in Engineering/Science/Technology in the relevant field would be given added advantage)
CTC	1 lakh per month (12 lakhs per annum for one resource)
Experience	• At least 3-5 years of full-time experience
Roles & Responsibilities	• Handling common security incidents independently, but know when to escalate to higher tiers for support and assistance.

	• Providing threat analysis and security logs for security devices • Analysing and responding to hardware and software weaknesses and vulnerabilities. • Providing technical support during incident handling • Investigate, document, and report security problems and emerging security trends • Perform risk analyses, vulnerability testing, and security assessments
Skills	• Administrative skills in several operating systems, such as Windows, OS X, and Linux • Proficient in basic shell scripting, creating Snort rules, or other log-searching query languages and methods • Work Experience with Security Information and Event Management (SIEM) Sound Technical knowledge on • TCP/IP, computer networking, routing and switching • IDS/IPS, penetration and vulnerability testing • Firewall and intrusion detection/prevention protocols • Windows, UNIX and Linux operating systems • Network protocols and packet analysis tools • Anti-virus and anti-malware • Various certifications including Security+, CEH, GIAC, CASP, CISSP is an add-on

Job Role	**E. Cloud Administrator - Code – T0105**
No. of Vacancy	02 nos.
Location	C-DOT Delhi
Qualification	Bachelor's degree. (Candidate having graduation/Post graduation in Engineering/Science/Technology in the relevant field would be given added advantage)

CTC (Consolidated)	1 lakh per month (12 lakhs per annum for one resource)
Experience	• At least 3-5 years of full-time experience
Roles & Responsibilities	• Manage and operate cloud-based hosts (Unix and Windows) • Create and manage the virtualization layer of cloud computing environments (Virtualization) • Operate containerized workloads • Cloud finances —Understand and optimize costs in cloud environments • Support DevOps activities and CI/CD management in the cloud
Skills	• Hands-on experience in managing Active directory • Ability to create scripts in Python, Perl or other language • Experience in configuration of cloud infrastructure and management solutions and work with the DevOps team to provide cloud support and deployment for existing projects • Strong troubleshooting skills for HTTP response codes, SSO/SAML/SCIM, LDAP, DNS, and email routing/tracing, as well as the ability to maintain security compliance through coordinated Windows and Linux application and system patching • Experience with managing Amazon AWS services and/or Microsoft Azure/ or creation of on-premises cloud infrastructure

Job Role	**F. System Administrator - Code – T0106**
No. of Vacancy	02 nos.
Location	C-DOT Delhi
Qualification	Bachelor's degree. (Candidate having graduation/Post

	graduation in Engineering/Science/Technology in the relevant field would be given added advantage)
CTC	1 lakh per month (12 lakhs per annum for one resource)
Experience	• At least 3-5 years of full-time experience • Proven experience as a System Administrator, Network Administrator or similar role • Experience with databases, networks (LAN, WAN) and patch management
Roles & Responsibilities	• Managing Windows, Linux, or Mac systems • Upgrading, installing, and configuring application software and computer hardware • Configuration, Setup, and operationalization of Active Directory • Troubleshooting and providing technical support to employees • Creating and managing system permissions and user accounts • Performing regular security tests and security monitoring • Maintaining networks and network file systems
Skills	• Proven experience as a System Administrator, Network Administrator or similar role • Experience with databases, networks (LAN, WAN) and patch management • Knowledge of system security (e.g. intrusion detection systems) and data backup/recovery • Ability to create scripts in Python, Perl or other language • Familiarity with various operating systems and platforms • Resourcefulness and problem-solving aptitude

Job Role	**G. Senior Lead Developer (C/ C++/ Python)-- Code – T0107**

No. of Vacancy	05 nos.
Location	C-DOT Delhi
Qualification	Bachelor's degree. (Candidate having graduation/Post graduation in Engineering/Science/Technology in the relevant field would be given added advantage)
CTC	1.75 lakhs per month (21 lakhs per annum per resource)
Experience	• At least 3-5 years of full-time experience, working as a C/ C++/ Python developer
Roles & Responsibilities	• Design, build, and maintain efficient, reusable, and reliable C/C++/Python code • Identify bottlenecks and bugs, and devise solutions to these problems • Help maintain code quality, organization, and automatization • Knowledge of low-level threading primitives and real-time environments • Familiarity with system call wrapper library functions • Knowledge of writing native modules for high-level languages such as Node.js, Python, Go, etc. • Developing server-side logic, ensuring high performance and responsiveness to requests from the front-end
Skills	• In-depth knowledge of C/C++ language, STL & Multithreading or Python frameworks such as FastAPI, Django, or Flask. Knowledge on AI/ML libraries, such as TensorFlow, PyTorch, and scikit-learn is an add-on. • Understanding of database concepts and experience with relational databases (e.g., PostgreSQL, MySQL) or NoSQL databases (e.g., MongoDB)

Job Role	**H. Senior React Developer-- Code – T0108**

No. of Vacancy	02 nos.
Location	C-DOT Delhi
Qualification	Bachelor's degree. (Candidate having graduation/Post graduation in Engineering/Science/Technology in the relevant field would be given added advantage)
CTC	1.75 lakhs per month (21 lakhs per annum per resource)
Experience	• At least 3-5 years of full-time experience • Previous experience working as a react.js developer and experience of user interface design
Roles & Responsibilities	• Skilled react.js developer responsible for developing and implementing user interface components using React.js concepts and workflows such as Redux, Flux, and Webpack • In-depth knowledge of JavaScript and React concepts, excellent front-end coding skills, and a good understanding of progressive web applications • Design and build modern user interface components to enhance application performance
Skills	• In-depth knowledge of JavaScript, CSS, HTML, and front-end languages • Knowledge of REACT tools including React.js, Webpack, Enzyme, Redux, and Flux • Understanding of database concepts and experience with relational databases (e.g., PostgreSQL, MySQL) or NoSQL databases (e.g., MongoDB) • Excellent troubleshooting skills with browser-based debugging and performance testing software
Job Role	**I. Senior Network Administrator -- Code – T0109**
No. of Vacancy	01 no.
Location	C-DOT Delhi
Qualificatio	Bachelor's degree. (Candidate having graduation/Post

n	graduation in Engineering/Science/Technology in the relevant field would be given added advantage)
CTC	1.5 lakhs per month (18 lakhs per annum for one resource)
Experience	• At least 3-5 years of full-time experience • Proven experience as a Network Administrator or in a similar role, designing and implementing complex network infrastructure solutions
Roles & Responsibilities	• Analysing of organizational network architecture and firewall • Able to design and establish a network in an organization • Installing and configuring computer networks and systems • Consulting with clients to specify system requirements and design solutions • Monitoring computer networks and systems to identify how performance can be improved
Skills	• Strong knowledge of network protocols, architectures, and technologies, including TCP/IP, VLANs, VPNs, MPLS, SD-WAN, DNS, DHCP, and routing protocols (e.g., BGP, OSPF) • Hands-on experience with network hardware, such as routers, switches, firewalls, load balancers, and wireless access points, from vendors like Cisco, Juniper, or Arista • Experience with network security concepts and technologies, including firewalls, VPNs, IDS/IPS, and network access controls

Job Role	Senior Embedded Software Developer - Code – T 0201
No. of Vacancy	02 no.
Location	C-DOT Delhi
Qualification	B.E/B.Tech (ECE/CS/EE/EI/ET&T/IT/ICE) or ME/M.Tech (ECE/CS/EE/EI/IT/VLSI/CE/ICE)
CTC	**Rs 1 lakh to Rs 2 lakh per month consolidated**
Experience	• Experience 4 years+
Roles & Responsibilities	• Embedded system requirement gathering and software architecture design • Embedded software module design and implementation in C/ARM assembly in Baremetal & GNU/Linux development environment • Development of HAL and device driver stack for USB/UCPD/SPI/I2C/Ethernet and other peripherals on ARM and STM32 • Software/Hardware co-design and testing • Joint investigation with hardware development team for resolution of peripheral interfaces issues. • Mentoring and guidance to junior engineers • Compilation of feature and module design documents • Maintenance of source code repositories • Provide field site deployment support/site visit
Skills	Experience in embedded software design and development, ARM architecture, Low Level C and ARM assembly programming in GNU environment, GNU build environment setup using opensource tools e.g., Yocto, Buildroot etc., • Bootloader and Secure Boot loader configuration, Custom Board bring-up. • Experience in Bare-metal & GNU/Linux embedded software development especially device-driver and system software stack development, good knowledge of RTOS and Linux kernel internals (scheduler, memory management,

	concurrency/synchronization, memory allocation, file systems, networking, storage)
	• Good experience in RTOS and Linux device driver development and support
	(USB, TCP/IP, Touch Display, Flash storage, I2C, Ethernet PHY-MII/MDIO etc.)
	• Open-Source software integration and development.
	• Experience in TCP/IP networking stack and USB stack development in Linux/RTOS environment.
	• Python and Linux Shell scripting, SCM tools usage experience, e.g., Git
	• Experience working with lab tools (Oscilloscope, Trace32 Debuggers, GNU GDB
	etc.), Linux and RTOS based application programming experience.
	• Follow quality management system activities within the group.
	• Ability to work in a team. Excellent communication skills.

Job Role	Senior FPGA Software Developer -- Code – T 0202
No. of Vacancy	04 no.
Location	C-DOT Delhi
Qualification	B.E/B.Tech (ECE/CS/EE/EI/ET&T/IT/VLSI) or ME/M.Tech (ECE/CS/EE/EI/IT/VLSI/CE)
CTC	**Rs 1 lakh to Rs 2 lakh per month consolidated**
Experience	• Experience 4 years+
Roles & Responsibilities	• Leadership in the design and development of complex FPGA based projects from FPGA selection to architecture, design, implement, synthesize and close timing, simulation, bring-up, debug and verification • Perform detailed design work, including RTL design for FPGAs, component selection, schematic design, and more • Designs, develops, debugs, modifies, and tests designs by using current tools, analysis techniques, and technologies • Work collaboratively and in tandem with other FPGA design engineers and embedded software engineers • Development and maintenance of FPGA-based code to implement algorithms for IP packet capture, crypto data processing and data transmission in an embedded real-time environment utilizing the latest Intel/Xilinx technology and Intel Quartus/Vivado development tools • Designs and implements ARM AXI switches and DMAs between SoC processor and FPGA subsystems. • Work closely with software and hardware teams, providing debug support, technical expertise and relevant documentation • Interface with HW, FW, and SW engineers to test and verify electrical interfaces and protocols between the FPGA and embedded system devices • Verify designs (including SOC architectures utilizing soft-core processors, digital filters, image processing algorithms, and communication interfaces/protocols),

	design and implement test benches and test plans for both chip-level and system level environments • Compilation of feature and module design documents • Participate in interdisciplinary design teams and reviews such as peer reviews, code reviews, and other technical exchanges • Maintenance of source code repositories • Provide field site deployment support/site visit
Skills	• RTL coding and simulation in Verilog, VHDL or System Verilog. • Good coding skills in C, C++, Python • Good knowledge of Xilinx or Intel-Altera FPGA architecture • Exp. with FPGA synthesis tool- Xilinx Vivado, Altera Quartus II or similar, IP Core development, High level synthesis design flow, Logic acceleration & optimization • Experience in creating placement and timing constraints, synthesis, place and route, static timing analysis, DRC/linting analysis, FPGA Timing closure and clock-domain-crossing analysis. • Good knowledge of Linux operating system internals and experience in Linux device driver development. • Knowledge of AMBA-AXI, PCI-E Gen 4, Ethernet, I2C, SPI, MII/MDIO interfaces. • Knowledge of TCP/IP Protocol Suite, Control Protocol such as BGP, IPFIX protocol, DNS, DHCP, HTTP, HTTPs, SIP etc. • Knowledge of IP packet debugging tools such as Wireshark, Tcpdump, ping, traceroute, nmap, hping etc. • Good knowledge of Ethernet/IP packet capture, packet parsing & striping, packet de-duplication, payload compression & decompression, encryption & decryption etc. to be implemented using HDL for FPGA • Experience mapping algorithms and standards (PCIe, NVMe, USB, Ethernet, TCP/IP, TCP/IP off load engine (TOE), SERDES, LVDS, and Memory Controllers – DDR4) to hardware and architecture/system design tradeoffs. • Experience with High-speed network interface (SFP/QSFP) design in FPGA • Selected candidates will be responsible to work on FPGA hardware and development tools to accelerate various functions of an application using FPGA offloading. • Exposure to OpenCL and high-level synthesis on FPGA

	platforms is desirable

Job Role	**Embedded Platform and Device Driver Software Developer -- Code – T 0203**
No. of Vacancy	02 no.
Location	C-DOT Delhi
Qualification	B.E/B.Tech (ECE/CS/EE/EI/IT/ICE) or ME/M.Tech (ECE/CS/EE/EI/IT/CE/ICE)
CTC	**Rs 1 lakh to Rs 2 lakh per month consolidated**
Experience	• Experience 2 years+
Roles & Responsibilities	• Embedded system requirement gathering and software architecture design • Embedded platform software module & device driver design and implementation in C/C++ within GNU/Linux development environment • Debugging & development of features within device driver for TPM, Touch display, Camera, Audiocodec, Wifi, Bluetooth and other peripherals on ARM • Working as an Individual Contributor in the field of Platform Software • Joint investigation with hardware development team for resolution of peripheral interfaces issues. • Mentoring and guidance to junior engineers • Documentation of all-related documents as per CMMI SDLC • Maintenance of source code repositories • Provide field site deployment support / site visit
Skills	Experience in embedded software design and development, ARM architecture, Low Level C and ARM assembly programming in GNU environment, GNU build environment setup using opensource tools e.g., Yocto, Buildroot etc., • Bootloader and Secure Boot loader configuration, Custom Board bring-up • Experience in embedded software development especially device-driver and system software stack development, good knowledge of Linux kernel internals

	• Hands-on experience in Linux device driver development and support (TPM, Touch Display, Camera, Audio, I2C, Wifi, Bluetooth, Ethernet PHY-MII/MDIO, UART, GPIO etc.) • Experience of debugging platform software& device driver using JTAG debugger • Knowledge of device tree programming, secure boot and security related features in Platform software • Open-Source software integration and development. • Knowledge of VOIP, SIP, Audio/Video Codecs, etc. is desirable • Experience in Python and Linux Shell scripting, SCM tools usage experience, e.g.Git • Experience working with lab tools (Trace32 Debuggers, GNU GDB etc.), Linux-based application programming experience • Follow quality management system activities within the group. • Ability to work in a team. Excellent communication & documentation skills. • Capable to support field site deployment support/site visit