



Assam Electronics Development Corporation Ltd. (AMTRON)
Industrial Estate, Bamunimaidan,
Guwahati-781021
www.amtron.in

No: AEDC/HRD /ADV/665

Date: 11-10-2025

ADVERTISEMENT

Online applications are invited through the official recruitment website of Assam Electronics Development Corporation Limited i.e. **recruitment.amtron.in**, from the candidates who are citizens of India as defined in Article 5 to 8 of the Constitution of India and permanent resident of Assam for filling up of the vacancy as indicated below-

Sl. No.	Role	Number of Posts	Educational Qualification	Proposed Gross Salary per month
i	DevOps and Cloud Specialist	1 (One)	Bachelors/Masters (Computer Science/ Information Technology/ Electronics)	Rs. 1,20,000.00 to 1,50,000.00
ii	Storage and DR Specialist	1 (One)	Bachelors/Masters (Computer Science/ Information Technology/ Electronics)	Rs. 1,20,000.00 to 1,50,000.00
iii	Cloud & System Expert	1 (One)	Bachelors/Masters (Computer Science/ Information Technology/ Electronics)	Rs. 1,00,000.00 to 1,30,000.00
iv	Observability & Monitoring Expert	1 (One)	Bachelors/Masters (Computer Science/ Information Technology/ Electronics)	Rs. 1,00,000.00 to 1,30,000.00
V	Database Administrator/Specialist	2 (Two)	Bachelors/Masters (Computer Science/ Information Technology/ Electronics)	Rs. 50,000.00 to 1,50,000.00

- 1. Age limit/ Eligibility:** Must not be less than **18 years and not more than 44 years** in respect of **General/Unreserved** candidates, **not more than 47 years** in respect of **OBC/MOBC** candidates and **not more than 49 years** in respect of **SC/ST candidates** and **Person with Disability (PwD)** as on **1st January 2025**. The age relaxation shall be applicable only to those candidates who have attained the necessary educational qualification prior to crossing of 38 years of age. There will be no provision for age condonation.
- 2. Language Known** – Assamese, English, Hindi

3. **How to Apply:** Interested eligible candidates may apply **online** by visiting the website **recruitment.amtron.in** and clicking the link for ‘**Recruitment of Technical Manpower for ongoing Project**’, from **05:00 PM, 11/10/2025** till midnight 20/10/2025.

A candidate can apply **only ONLINE** through the website **recruitment.amtron.in**.

No other mode of application is acceptable. The online application can be uploaded following the steps mentioned below:

- i. Visit **recruitment.amtron.in**
 - ii. Register yourself into the website
 - iii. Login using your Registration No and Date of Birth.
 - iv. Fill-up form/ upload all documents mentioned therein and submit the online application form
4. **Method of Selection:** Shortlisted candidates only can download the Admit cards for the Written Test. Written Test will be conducted on respective domain knowledge and experience mentioned against each role. List of shortlisted candidates will be notified in the website **recruitment.amtron.in**, and shortlisted candidate will be informed via SMS/e-mail. Date of written test for shortlisted candidates will be intimated through **recruitment.amtron.in**. Candidates qualifying in the written test will be called for viva-voce which will be held at Guwahati. No TA/DA will be entitled for appearing in the Written Test and Viva-voce.
5. **Tenure of Engagement:** The Contractual engagement will be initially for a period 1 (one) year, which will be renewed annually, based upon satisfactory performance and decision of the higher authority of the Organisation and may be extended up to 5 (five) years or more.
6. List of Documents to be uploaded in ‘**recruitment.amtron.in**’
- i) Educational Qualification Certificates and Mark Sheets from Class X onwards.
 - ii) Certificates of Professional Qualifications as desired against each role.
 - iii) Age Proof Certificate (Birth Certificate/Admit Certificate of Class X)
 - iv) Proof of Permanent Residence
 - v) Certificate issued by Competent Authority prescribed by the Government regarding their status as SC/ST/OBC/MOBC/PwD.
 - vi) Experience Certificate on relevant field from Ex-employers.
 - vii) Self-attested passport sized photograph.

Please Note:

Incomplete or wrongly filled applications will be summarily rejected. The form submission website will not allow submission of incomplete forms. On submission of the online application form and uploading all documents mentioned therein, the applicant will receive an **acknowledgement number**. It is to be noted that submission of the online application does not automatically qualify any candidate for the role and also does not imply verification of credentials of the candidate.

For any query candidates may mail to **recruitment@amtron.in**

AMTRON reserves the right to reject any application or cancel this advertisement, without assigning any reasons thereof.

7. Skill Set of Technical Manpower required for Data Center.

7.1 DevOps & Cloud Specialist:

B.E/B.Tech/MCA/M.Sc with minimum 7 (seven) years of relevant experience or BCA/B.Sc. with minimum 9 (nine) years of relevant experience in following domains-

Cloud Infrastructure & DevOps

- Install, configure, and maintain **Ovirt, Apache CloudStack, OpenStack, OpenShift, Kubernetes** for production and development workloads.
- Manage **Kubernetes/OpenShift clusters**: pod lifecycle management, deployments, PVCs, ingress, and cluster upgrades.
- Implement **CI/CD pipelines** using **Jenkins** and GitLab CI/CD for automated build, test, and deployment.
- Integrate **SonarQube** for automated code quality analysis and security scanning.
- Containerize applications with **Docker**, manage multi-stage builds, and deploy using private registries (Harbor, Quay).
- Ensure **multi-tenant cloud stability, performance, and security** with proper isolation and RBAC.

Database Administration

- Install, configure, and maintain **MySQL/MariaDB, PostgreSQL, MongoDB** in both cloud and on-prem environments.
- Configure **HA & replication** using Galera Cluster, Patroni, or MongoDB Replica Sets.
- Perform **backup & restore** with mysqldump, pg_dump, Percona XtraBackup, and MongoDB Ops Manager.
- Tune queries, optimize indexes, and monitor DB performance.
- Implement **disaster recovery (DR)** solutions with minimal RTO/RPO.

Virtualization & Hypervisors

- Manage Linux virtualization platforms **KVM/QEMU**, including provisioning, CPU/memory optimization, and GPU passthrough.
- Experience with **Microkernelized hypervisors** (e.g., Xen, seL4-based) for secure and isolated workload hosting.
- Install, configure, and manage **Ceph, GlusterFS, Longhorn** for scalable, redundant, and persistent storage.
- Integrate SDS with OpenStack (Cinder/Glance), Kubernetes (CSI), and CloudStack.

Automation & Infrastructure as Code (IaC)

- Develop automation scripts using **Ansible, Bash, Python** for provisioning, patching, and monitoring.
- Deploy infrastructure using **Terraform** for reproducible environments.
- Support GitOps workflows for continuous infrastructure delivery.

Networking & SDN

- Configure **OpenStack Neutron**, VLANs, floating IPs, routers, and security groups.
- Manage Kubernetes/OpenShift networking with **Calico, Flannel, Multus**.
- Work with **Open vSwitch (OVS)** and **OVN** for Software-Defined Networking.
- Configure reverse proxies/load balancers (**HAProxy, NGINX, Traefik**) for high availability.

Monitoring, Logging & Observability

- Deploy **Zabbix, Prometheus + Grafana, ELK / Loki stack** for full observability.
- Configure alerting and SLA tracking for infrastructure and applications.

High Availability & Failover

- Set up **Pacemaker/Corosync** clusters for DB, storage gateways, and control planes.
- Participate in DR drills to ensure business continuity.

Security & Compliance

- Apply Linux hardening, Kubernetes security, and API protection.
- Implement RBAC, audit logging, and secrets management using Vault or Kubernetes Secrets.
- Apply CIS Benchmarks for OS, hypervisor, and container security.

Collaboration & Documentation

- Collaborate with developers, DevOps, and security teams for end-to-end delivery.
 - Maintain **network diagrams, SOPs, DR guides, and change management logs.**
- **Certifications & Professional Development:**
 - Any relevant OEM recognized certifications will be an added advantage.

7.2 Storage and DR Specialist:

B.E/B.Tech/MCA/M.Sc with minimum 7 (seven) years of relevant experience or BCA/B.Sc. with minimum 9 (nine) years of relevant experience in following domains-

Senior Storage, Backup and DR Infrastructure

An IT infrastructure professional with over a decade of extensive hands-on experience in enterprise-grade SAN (Storage Area Network), NAS (Network Attached Storage), and enterprise backup solutions. Proven track record in designing, deploying, supporting, and optimizing highly available and secure storage environments across heterogeneous platforms. Adept at managing large-scale multi-vendor environments, providing L3 support, and driving continuous improvement initiatives in storage and backup infrastructure.

Core Competencies:

- Enterprise Storage Systems:
 - **Expertise in the design, deployment, administration, and lifecycle management of enterprise storage systems including any two of:**
 - IBM FlashSystem, IBM SAN Volume Controller (SVC)
 - HPE 3PAR, HPE Primera
 - NetApp FAS and AFF systems
 - Virtual Tape Libraries (VTL)
 - Physical Tape Libraries
 - **Advanced knowledge of LUN provisioning, thin provisioning, volume management, and SVM (Storage Virtual Machine) configurations.**
 - **Skilled in configuring and managing storage replication technologies for business continuity and disaster recovery:**
 - SnapMirror, MetroCluster, SnapVault (**NetApp**)
 - Remote Copy, Peer Persistence (**HP**)

- Metro Mirror, Global Mirror (**IBM**)
- SAN & NAS Architecture:
 - **Deep understanding of SAN/NAS architecture, design principles, and multi-fabric environments.**
 - **Proficient in configuring and troubleshooting Fibre Channel (FC), iSCSI, NFS, CIFS/SMB, and NVMe over Fabrics.**
 - **Expertise in zoning (soft/hard zoning), masking, and WWN-based access controls in both Brocade and Cisco SAN switches.**
 - **Experience with SAN switch configuration, firmware upgrades, troubleshooting ISLs, and ensuring fabric health.**
 - **Competent in multipath configuration, performance tuning, and end-to-end data path troubleshooting.**
- Enterprise Backup & Recovery Solutions:
 - **Strong experience with Commvault Complete Backup & Recovery Suite, including:**
 - **Backup policy design and scheduling**
 - **Agent configuration for file systems, databases, VMs**
 - **Deduplication, encryption, and storage policies**
 - **Performing regular backup jobs, restores, synthetic fulls, and compliance validation**
 - **Troubleshooting failed jobs, backup window optimization**
 - **Integration of backup systems with tape libraries, cloud targets, and enterprise SAN storage.**
 - **Ensuring data protection compliance across Windows, Linux, and UNIX (AIX/Solaris) platforms.**
- Operations & Incident Management:
 - **Provide L3 support and technical leadership in complex multi-platform SAN, NAS, and backup environments.**
 - **Own and resolve critical storage/backup incidents, lead root cause analysis (RCA), and provide workaround or permanent solutions to reduce business impact.**
 - **Drive adherence to change management policies by preparing and validating implementation plans, rollback strategies, and test cases for high-impact storage and backup changes.**
- Monitoring, Reporting & Capacity Planning:
 - **Monitor storage performance and health using tools such as NetApp Active IQ, IBM Spectrum Control, HPE InfoSight, or similar.**
 - **Conduct capacity forecasting, storage tiering, and trend analysis to ensure optimal resource utilization.**
 - **Generate regular reports on:**
 - **Storage consumption**
 - **Backup success/failure metrics**

- **SLA compliance and system availability**
- **Risk assessments and compliance audits**
- Disaster Recovery & Business Continuity:
 - **Design, test, and maintain** Disaster Recovery (DR) **and** Business Continuity **plans**.
 - **Participate in DR drills, replication failovers, and recovery verification processes.**
 - **Experience with** asynchronous and synchronous replication **and** cross-site data consistency validation.
- Documentation & Knowledge Management:
 - **Create and maintain comprehensive** Standard Operating Procedures (SOPs), runbooks, troubleshooting guides, **and** infrastructure diagrams.
 - **Contribute to organizational** knowledge repositories, **conduct** peer reviews, **and** **mentor junior team members.**
 - **Deliver** technical presentations, infrastructure handover documents, **and** technical review documentation **for audits and assessments.**
- Platform Familiarity:
 - **Proficient in managing storage and backup on a variety of platforms, including:**
 - Windows Server 2012R2/2016/2019
 - UNIX variants: **IBM AIX, HP-UX, Oracle Solaris**
 - Linux distributions: **RHEL, CentOS, SUSE, Ubuntu**
 - **Experience with KVM, Hyper-V, and physical-to-virtual (P2V) backup scenarios.**
- **Certifications & Professional Development:**
 - Any relevant OEM recognized certifications will be an added advantage.

7.3 Cloud & System Expert

B.E/B.Tech/MCA/M.Sc with minimum 5 (five) years of relevant experience or BCA/B.Sc. with minimum 7 (seven) years of relevant experience in following domains-

Cloud Infrastructure Administration

- Install, configure, and maintain Ovirt, Cloudstack, OpenStack, OpenShift, Kubernetes environments for production and development workloads.
- Manage OpenShift and Kubernetes clusters, including day-to-day operations like pod management, deployments, persistent volume claims (PVCs), ingress setup, and cluster upgrades.
- Ensure stability, performance, and security of cloud infrastructure across multi-tenant environments.

Virtualization & SDS (Software-Defined Storage)

- Manage Linux virtualization platforms (KVM/QEMU), including virtual machine provisioning, resource allocation, and performance tuning.
- Install, configure, and administer Ceph and GlusterFS storage clusters for scalable, redundant, and persistent storage in cloud and containerized environments.
- Integrate SDS backends with OpenStack (Cinder/Glance) , Kubernetes (CSI drivers), Cloudstack, Ovirt etc.

Automation & Scripting

- Develop and maintain automation scripts using Ansible, Bash, or Python for configuration management, cloud provisioning, patching, and monitoring.
- Support deployment pipelines and automation efforts in collaboration with development and DevOps teams.

Networking & SDN

- Configure and maintain OpenStack Neutron, including tenant networks, floating IPs, routers, and security groups.
- Basic to intermediate knowledge of Software-Defined Networking (SDN) concepts and tools like Open vSwitch (OVS) or OVN.
- Configure Kubernetes/OpenShift networking with CNI plugins like Calico, Flannel, and Multus.

System Administration

- Perform advanced Linux system administration tasks, including user and permission management, service configuration, performance tuning, and kernel updates.
- Manage Linux services and daemons, including systemd services, firewalld, SELinux, and cron jobs.
- Install, configure, and manage middleware services like JBoss and Tomcat for hosting enterprise applications.

Monitoring & Observability

- Deploy and manage monitoring stacks including:
 - Zabbix – for infrastructure and service-level monitoring
 - Prometheus + Grafana – for container metrics and custom dashboards
- **Set up alerting and SLA tracking for infrastructure and applications using relevant tools.**

High Availability & Failover

- Configure and maintain HA clusters using Pacemaker/Corosync for key services like databases, storage gateways, and control planes.
- Participate in disaster recovery planning and testing, ensuring business continuity and minimum RTO/RPO.

Backup, Maintenance & Troubleshooting

- Perform routine system maintenance: kernel and package updates, patching, service restarts, and log rotation.
- Monitor system health and resource utilization using tools like top, htop, iostat, vmstat, and journalctl.
- Diagnose and resolve system issues, perform root cause analysis (RCA) for high-priority incidents, and implement long-term fixes.
- Manage backups for both virtual machines and containerized workloads.

Security & Best Practices

- Implement basic to intermediate security hardening across Linux systems, OpenStack services, and Kubernetes nodes.
- Enforce RBAC policies, audit logging, and secure API access in Kubernetes/OpenShift clusters.
- Manage secrets and sensitive credentials using Kubernetes Secrets or integrated vaults.

Collaboration & Documentation

- Collaborate with developers, DevOps, and network/security teams to support end-to-end application delivery and cloud enablement.

- Maintain accurate operational documentation, including infrastructure topology diagrams, standard operating procedures (SOPs), backup and restoration guides, and change records.
- **Certifications & Professional Development:**
 - Any relevant OEM recognized certifications will be an added advantage.

7.4 Observability & Monitoring Expert –

B.E/B.Tech/MCA/M.Sc with minimum 5 (five) years of relevant experience or BCA/B.Sc. with minimum 7 (seven) years of relevant experience in following domains-

Monitoring & Database Reliability Engineer (Kubernetes / ITIL)

Role Summary

Own the end-to-end monitoring stack (Zabbix, Prometheus, Grafana etc.), database reliability on Kubernetes, and ITIL-aligned service operations. You will design, deploy, and run enterprise monitoring, automate alert-to-ticket flows with ITSM OQL rules, harden and tune databases (MySQL/MariaDB/PostgreSQL/MongoDB/MSSQL/Oracle), and keep services compliant with ISO 27001/20000. The role blends SRE thinking, DBA skills, and process rigor.

Key Responsibilities

A) Enterprise Monitoring

- Install, configure, upgrade, and manage Zabbix, Prometheus, Grafana (Server/Proxy/Agent/Agent2) at scale (HA, DB backend, web front end, proxies for remote sites).
- Build host templates, low-level discovery (LLD), item/trigger prototypes, and escalation/notification policies (email/SMS/ChatOps/webhooks).
- Create dependency maps, SLAs, maintenance windows, and service trees for accurate alerting and business impact views.
- Real-time troubleshooting of data gaps, flapping, proxy/agent connectivity, time-skew, and poller/JavaGateway/housekeeper saturation.
- Integrate Zabbix, Prometheus, Grafana with ITSM (incident/change), CMDB, Prometheus exporters, and custom scripts; maintain alert deduplication & noise reduction.

B) ITSM & ITIL Processes

- Configure and manage ITSM tools for **Incident, Change, Service Request, and Problem** management; implement queue routing, priorities, and OLAs/SLAs.
- Author OQL-based rules (e.g., in iTop or similar) for **event-to-incident** conversion, correlation, enrichment, and reporting dashboards.
- Drive **Problem RCA** and known error DB; enforce CAB workflows for monitoring/DB changes; maintain service catalogue & CMDB accuracy.

C) Databases (Kubernetes + Traditional)

- **Kubernetes Databases:** Design and run containerized MySQL/MariaDB on K8s (StatefulSets, PersistentVolumes/StorageClasses, readiness/liveness probes, PodDisruptionBudgets, topology-aware anti-affinity).
- Implement HA/replication (Group Replication/Galera), backup & PITR (Percona/XtraBackup, mysqldump), automated failover, and rolling upgrades with zero/minimal downtime.
- **Traditional DBs:** Operate and support MySQL, PostgreSQL, MongoDB, MSSQL, Oracle for backup/recovery, performance tuning (query plans, indexes, slow queries), security hardening, and capacity planning.

- Build automated health checks, trend dashboards, and threshold policies for DB KPIs (latency, TPS/QPS, cache hit, replication lag, deadlocks).

D) CloudStack Database & Platform Support

- Administer CloudStack DB (schema awareness, upgrades, backup/restore, archiving/purge, indices); tune for API/UI performance and job queue efficiency.
- Collaborate with Cloud/Infra teams on network/storage changes impacting monitoring/DB workloads; validate after changes.

E) Systems Administration & Security

- Routine Linux/Windows admin (users, patching, hardening, log rotation, config mgmt via Ansible/Terraform); SSL/TLS lifecycle for monitors & DB endpoints.
- Implement role-based access, secrets management (K8s secrets/External Secrets), and audit trails aligned to ISO 27001 controls.

F) Governance, ISO & Documentation

- Implement/maintain ISO 27001 (Annex A controls) and ISO 20000 processes related to monitoring, backup, DR, and change management.
- Create/update **SOPs, runbooks, KB articles**, onboarding guides, DR drills, and architecture diagrams.
- Propose continual improvements in **monitoring coverage, alert hygiene, automation, and documentation**.

Required Skills & Qualifications

Core Technical

- **Zabbix, Prometheus, Grafana:** Advanced templates, LLD, trigger expressions, escalations, proxies, HA deployment, DB backends (MySQL/PostgreSQL), and integrations (webhooks/ITSM).
- **Kubernetes:** StatefulSets, PV/PVC/SC, PDBs, HPA/VPA basics, Ingress/Service, node/pod affinity, taints/tolerations, rolling updates.
- **MySQL/MariaDB:** Replication (async/semisync/Group Replication or Galera), backup (XtraBackup), query tuning (EXPLAIN/optimizer), schema changes (pt-online-schema-change).
- **PostgreSQL/MongoDB/MSSQL/Oracle:** Backup/restore, performance basics, security configuration, tooling familiarity.
- **ITSM & OQL:** Hands-on with iTop (or equivalent OQL-based tool) rules for event ingestion, correlation, and reporting.
- **Scripting/Automation:** Bash/Python; Git; CI for infra-as-code; Ansible for config and repeatable DB/K8s/Zabbix tasks.
- **Observability:** Log pipelines (rsyslog/Fluent Bit), exporters, time-series basics, alerting strategy (symptom-vs-cause).
- **Networking:** Solid L2/L3 fundamentals; TLS, certificates, firewalls/NAT relevant to DB/K8s/monitoring endpoints.

Process & Compliance

- **ITIL Foundation level** understanding (Incident/Problem/Change/Request).
- Working knowledge of **ISO 27001** (risk assessment, controls, audits) and **ISO 20000** (service management, SLAs/OLAs).
- Strong RCA writing, runbook creation, and change justifications with measurable success.

- **Certifications & Professional Development:**

- Any relevant OEM recognized certifications will be an added advantage.

7.5 Database Administrator:

B.E/B.Tech/MCA/M.Sc with minimum 5 (five) years of relevant experience or BCA/B.Sc. with minimum 7 (seven) years of relevant experience in following domains-

Key Responsibilities:

MongoDB (Sharded + Replica Set Architecture):

- Design, configure, and maintain MongoDB in production-grade HA and sharded setups.
- Implement optimal shard key selection, zone sharding, and balancer tuning.
- Tune replica set parameters including election timeouts, read/write concern, and oplog size.
- Monitor and optimize MongoDB queries using explain(), query profiler, and slow query logs.
- Manage WiredTiger engine settings, cache tuning, and background compaction strategies.
- Plan and execute version upgrades and rolling restarts with zero downtime.
- Secure MongoDB deployments with TLS, SCRAM-SHA authentication, and rolebased access control (RBAC).
- Implement and automate backup/restore workflows using mongodump, OpsManager, or custom tools.
- Participate in incident response and RCA (Root Cause Analysis) for performance/availability issues.

PostgreSQL:

- Administer PostgreSQL in clustered and standalone environments with WAL archiving and replication.
- Tune PostgreSQL for performance: configure shared_buffers, effective_cache_size, work_mem, wal_buffers, etc.
- Optimize complex SQL queries and stored procedures; manage query plans and indexing strategies.
- Set up and manage connection pooling using PgBouncer or Pgpool-II.

- **Certifications & Professional Development:**

- Any relevant OEM recognized certifications will be an added advantage.

Sd/
Managing Director,
Assam Electronics Development Corporation Ltd.