Elson Johnson

AWS DevSecOps Engineer

4elson@gmail.com | +91-8489876563 | Chennai, India | linkedin.com/in/elsonj

Profile

A highly skilled Cloud Engineer with over 4 years of experience in Cloud Infra Management, Solution Architecting, Application Modernization and AIOps. Combines fluid intelligence with deep technical expertise to develop scalable, automated, and secure cloud solutions that accelerate digital transformation. Recognized for strong collaboration, mentoring, and cross-functional communication skills, fostering a culture of continuous improvement and technical excellence across teams

Professional Experience

Hapag-Lloyd Technology Center, Chennai
Senior AWS DevSecOps Engineer   *Apr 2025 – Present*

- **ChatOps:** Developed and demonstrated a POC for an agentic ChatOps system to automate infrastructure operations, demonstrating the potential to reduce manual intervention.
- **Gitlab Runners:** Designed and implemented cost optimized, auto-scaling self hosted runner architecture to support high-concurrency CI/CD pipelines
- **Infrastructure Pipeline:** Engineered a secure DevSecOps pipeline for IaC (Terraform) by integrating Checkov to proactively identify and prevent cloud misconfigurations before deployment.
- **Drift Check Pipeline:** Automated drift detection and notification pipeline to continuously monitor infrastructure state deviations from the defined Terraform configuration.
- **Security Posture Management:** Deployed multiple custom AWS Config Conformance Pack tailored to organization to monitor and enforce compliance, tagging standards, and security controls.
- **IaC Standardization**: Modernized Terraform statefile management by implementing a layered Terragrunt architecture separating environment, region, and module configurations.
- **Terraform Modernization Initiative:** Upgraded legacy Terraform modules and statefiles to the latest version, resolving deprecated syntax, refactoring resources, and validating backward compatibility
- **Shift-Left Pipelines:** Involved in the integration of tools like BlackDuck and Checkmarx in application pipeline for detect vulnerabilities and security flaws in source code and dependencies
- **Vulnerability Dashboard:** Designed and implemented an analytical dashboard solution for organizational vulnerability management by integrating AWS Security Hub findings with EventBridge, Firehose, and OpenSearch, enabling real-time visibility.
- **Automated Dependency Management:** Implemented Renovate Bot in EKS to enforce policy-based automation for open-source image updates and vulnerability patching.

Technical Support Specialist – AWS   *Apr 2024 – Mar 2025*

- **Automated Triaging:** Built a production grade AI-powered solution to automate the triaging of Jira issues, reducing manual effort by up to 95% through intelligent categorization, prioritization, and assignment based on historical data and predefined rules
- **Application Modernization:** Containerized an application stack, including JBoss, MySQL, Filebeat, and supporting services, migrating from on-premises servers to AWS ECS.
- **Monitoring Stack:** Implemented the Kube Prometheus Stack for a workflow automation platform running on Amazon EKS, integrating with Amazon Managed Prometheus and Grafana for comprehensive cluster observability.
- **Kubernetes Security Automation:** Deployed Trivy Operator on EKS via Helm to automate vulnerability and configuration scanning, improving security visibility and compliance posture across clusters.

Solverminds Solutions and Technologies, Chennai
Technical Support Specialist – AWS   *May 2023 – Mar 2024*

- **Observability Dashboard:** Built a centralized Grafana dashboard to monitor a platform offering hosted on EKS
- **Application Development:** Designed, developed, and deployed Flask-based web applications for roster planning, shuttle route management, and performance reviews for streamlining internal operations.
- **SLA Report Generation:** Developed a Python automation script to interact with Jira APIs, extracting issue data and calculating SLA compliance metrics for a Service Management Team, improving reporting accuracy and reducing manual effort.

Tata Consultancy Services, Chennai
Assistant System Engineer   *May 2021 – Mar 2023*

- **Database Migration:** Performed end-to-end migration from on-premises Microsoft SQL Server to Azure SQL Database
- **Disaster Recovery Drill:** Performed a disaster recovery drill for a 3-node, 2TB database cluster, validating failover readiness, data integrity, and recovery time objectives.
- **ITIL/ITSM:** Worked on ITIL-aligned Service Management processes, including incident, change, and problem management, ensuring SLA compliance and improving service delivery efficiency across operational teams.

Skills

- **Cloud Platforms:** AWS, GCP
- **Programming & Scripting:** Python, Shell, JavaScript
- **Monitoring & Observability:** Grafana, Prometheus, Datadog, Cloudwatch
- **Infrastructure as Code**: Terraform, Terragrunt, AWS CloudFormation
- **DevSecOps & Automation:** Gitlab CI, Helm
- **Security & Compliance:** AWS Security Hub, Trivy, Checkov

Certification

- Google Cloud Certified – Associate Cloud Engineer (Valid until Oct '25)

Education

Loyola Institute of Business Administration (Online)
PG Diploma in Management   *Jul 2025 – Present*

Annamalai University
MTech in Food Processing Technology   *Sep 2019 – May 2021*

- Finalist – TCS Inframind Season 4 Hackathon: Built an auto-scalable, self-healing infrastructure for a WordPress site

Sathyabama University
BTech in Biotechnology   *Jul 2015 – Jul 2019*