SANJAI K

Trivandrum | sanjai99522s@gmail.com | LinkedIn | GitHub | Portfolio

Backend Software Engineer & AWS Certified Solutions Architect

PROFESSIONAL SUMMARY AWS Certified Solutions Architect & Developer Associate with 4+ years of professional backend development experience building and deploying scalable, cloud-native SaaS solutions. Expert in Golang (2+ years hands-on production), Python, and AWS, with a strong focus on high-performance backend services and microservices architecture. Passionate about modern architecture, code quality through comprehensive unit and integration testing, reducing deployment times by 30% through CI/CD automation, and applying Agile/SCRUM best practices.

TECHNICAL SKILLS

- **Languages & Architecture:** Golang (Expert), Python, Java, RESTful APIs, Microservices, SaaS Backend.

- **Cloud & Orchestration:** AWS (Expert - Full Ecosystem), Docker, Kubernetes, Helm, Terraform, CloudFormation.

- **Databases:** SQL (PostgreSQL, MySQL), NoSQL (MongoDB), JSON.

- **DevOps & Testing:** CI/CD Pipelines, Concourse, Jenkins, GitHub Actions, Unit/Integration Testing, Git, Agile/SCRUM.

- **Observability:** Kafka, Prometheus, Grafana, Alerting & Monitoring.

PROFESSIONAL EXPERIENCE

TATA ELXSI | Trivandrum, Kerala **Engineer** | Jul 2024 – Present

- Write scalable, robust, and maintainable code using Golang to build and maintain microservices for enterprise-grade SaaS applications.

- Design, develop, and maintain secure and reliable RESTful APIs, translating business requirements into stable, high-performance solutions serving 1M+ users.

- Collaborate with cross-functional teams in an Agile/SCRUM environment to deliver cloud-native solutions, demonstrating expert-level proficiency across the AWS ecosystem.

- Develop, deploy, and monitor services using containerization (Docker), conducting performance testing to improve resource utilization and troubleshoot complex backend issues.

- Participate actively in code reviews, technical planning, and prioritize simplicity and maintainability in software design.

Associate Engineer | Jul 2022 – Jul 2024

- Developed and optimized the backend for a high-volume platform, ensuring low-latency data retrieval and seamless delivery through robust API design.

- Wrote comprehensive unit and integration tests to ensure code quality, maintaining high coverage standards throughout the full software development life cycle.

- Designed and implemented CI/CD pipelines using Concourse and Helm, automating infrastructure provisioning and reducing deployment time by 30%.

- Created a fully automated deployment pipeline from scratch, eliminating manual operational overhead.

Internship Trainee | Dec 2021 – Jun 2022

- Worked with SQL (PostgreSQL, MySQL) and NoSQL databases, optimizing schemas to support critical application requirements and enhance data retrieval speed.

- Integrated a robust observability stack using Kafka, Grafana, and Prometheus, contributing to monitoring and alerting for distributed systems.

- Implemented Open Policy Agent (OPA) for authentication and fine-grained access control, improving security compliance.

PROJECTS Cloud-Native Portfolio Website | *AWS, CI/CD, Infrastructure as Code* | Portfolio

- Architected and deployed a personal portfolio website hosted on AWS, implementing a fully automated CI/CD pipeline to ensure seamless continuous integration and deployment.

EDUCATION

- **Master of Computer Applications (MCA)** | Kalasalingam University

- **B.Sc. Information Technology** | CGPA: 7.5 | Dr. N.G.P. Arts and Science College | Aug 2019 – Mar 2022

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate

- AWS Certified Developer – Associate