

# Muhammed Anees PK

## Senior DevOps | SRE Engineer

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Senior DevOps and SRE Engineer with 6+ years of experience specializing in building scalable, secure, and observable infrastructure in cloud-native environments. Proven expertise in payments infrastructure, site reliability, and automating developer tooling to enhance operational excellence. Passionate about delivering high availability, self-healing systems, and empowering engineering teams with real-time observability and resilient design.

### Core Competencies

- Observability & Monitoring (DataDog, Prometheus, Loki, OpenTelemetry, Grafana)
- SRE & Reliability Engineering (Incident Management, Chaos Engineering, Auto-healing)
- Payments Infrastructure Security & Audit (PCI, Cloud Security)
- Cloud-Native Ops (AWS, Azure, GCP, Kubernetes, Fargate)
- Tooling & Automation (Python, Go, Java, NodeJS, Jenkins, ArgoCD, GitOps)
- Cross-functional Leadership & Tech Strategy

### Professional Experience

**Zbooni, Dubai, UAE - Sr. DevOps Engineer (Remote) - DECEMBER 2024 -**

- Implemented AWS Karpenter for dynamic node provisioning, achieving 30% infrastructure cost reduction.
- Designed flow-level observability and alerting for customer transactions and service latency using Grafana and Loki.
- Instrumented real-time monitoring dashboards and alerting systems for payments services ensuring high reliability SLAs.

**Zbooni, Dubai, UAE - Freelance DevOps Consultant (Remote) - DECEMBER 2023 - NOVEMBER 2024**

- Led secure and resilient deployment pipelines using **ArgoCD on EKS Fargate** with GitOps practices.
- Conducted blameless post-mortems, incident reviews, and root-cause fixes for recurring service degradations.
- Automated environment provisioning, metrics collection, and chaos testing scripts.

**Beagle Cyber Innovations, Thiruvananthapuram, Kerala - Sr. DevSecOps Engineer - MAY 2020 - AUGUST 2023**

- Engineered comprehensive DevSecOps pipelines integrating SAST (SonarQube, Snyk, Veracode) and DAST (OWASP Zap)
- Designed and deployed multi-cloud Kubernetes clusters (AWS, Azure, GCP, IBM, Bare Metal) ensuring 99.9% uptime
- Implemented container security scanning and hardening processes for Docker and Kubernetes deployments
- Built microservice communication systems using gRPC in Python and Go
- Established centralized artifact management using JFrog Artifactory
- Deployed high-availability database clusters (Cassandra, PostgreSQL) in Kubernetes.

- Conducted security assessments including penetration testing, cloud security audits, and incident response.
- Developed RestAPI's in Python(Flask/FastAPI/Django) and NodeJS

## Consulting Projects

### **iboson Innovations** | *DevOps Consultant*

- Led migration of production workloads from Azure to AWS
- Implemented NodeJS API deployment pipelines in Jenkins/Github Actions for AWS EKS and Azure AKS

### **ConnectONE** | *DevOps Consultant*

- Architected CI/CD pipelines for Java Spring Boot microservices using Bitbucket Pipelines
- Implemented GitOps workflows using Flux CD for Kubernetes deployments

### **Zbooni** | *DevSecOps Consultant*

- Led migration from monolithic EC2 to microservices architecture on AWS EKS Fargate
- Conducted cloud security Audits

### **Appfabs, Thiruvananthapuram, Kerala** - *Security Engineer* - JULY 2019 - APRIL 2020

- Conducted security assessments, vulnerability scans, and penetration testing

## Certifications

October 2020, Credential ID: 289787

### **ISO 27001:2013 Lead Auditor - Information Security Certification** - IRCA

## Skills

**Cloud Platforms** - AWS, Azure, GCP, IBM Cloud, Digital Ocean, Scaleway, Linode, Hetzner

**Containerization & Orchestration** - Docker, Kubernetes(EKS, GKE, AKS, Bare Metal), ECS, OpenStack, OpenShift

**CI/CD Tools** - Jenkins, Github Actions, Bitbucket Pipelines, Gitlab CI, Flux CD, Argo CD

**Infrastructure as Code (IAC)** - Terraform, Ansible, Helm, CloudFormation

**Monitoring and Observability** - Prometheus, Grafana, ELK Stack, Datadog, Newrelic, Jaeger, Loki

**Scripting** - Shell Scripting, PowerShell, Perl, Groovy

**Programming** - Python, Go, Java, Node.js, GraphQL, Rust

**Databases** - MySQL, Postgres, Cassandra/ScyllaDB, MongoDB, Redis, Kafka

**Security** - Cloud Security Audit, API/Web Penetration Testing, RCA, DFIR, DAST, SAST

## Education

JULY 2015 - MAY 2018

**University College of Engineering, Thodupuzha, Kerala** - *B Tech, Computer Science*

JULY 2012 - MAY 2015

**SSM Polytechnic College, Tirur, Kerala** - *Diploma, Computer Engineering*

## Community Activities

- Board Member, [OWASP Kerala Chapter](#)
- Organizer, [GDG Cloud Trivandrum](#)
- Elite Member, Kerala Police Cyberdome