ASHITHA SHETTY
DevOps Engineer

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ABOUT ME

DevOps Engineer with 2 years' experience in the financial payments domain at FSS—specializing in automation, CI/CD, and cloud-based infrastructure. Proven track record in enhancing reliability and scalability for flagship products like Smart Recon, Payment Gateway, Secure3D, and Real-Time Payments.

EDUCATION

Nitte Meenakshi Institute Of Technology, Bengaluru *2021 – 2023*

Master of Computer Applications (MCA) - CGPA - 8.91

WORK EXPERIENCE

FSS (Financial Software & Systems) — Chennai, India

Role - DevOps Engineer | Aug 2023 - Present

- Designed and implemented *CI/CD pipelines on Jenkins* for products across FSS – *Smart Recon, Card Issuance, Payment Gateway, Merchant Acquiring, Secure3D, Toggle, Fss-connect and Possability*.

- Migrated legacy deployments to containerized *Docker apps orchestrated via Kubernetes* for products across FSS, increasing deployment consistency and reducing rollbacks by 60%.

- Engineered *Terraform-based IaC setups to provision AWS infrastructure* (EC2, RDS, S3, VPC, EKS), significantly improving infrastructure spin-up by 70%.

- Automated security scanning and compliance checks in CI pipelines using tools like *Fortify, Sonatype Nexus, and Owasp ZAP* for products across FSS, effectively reducing vulnerabilities and enhancing code quality by 40%.

- Automated the deployment of legacy WAR files for *Payment Gateway and UPI applications* to *WildFly servers using Ansible* integrated within a CI/CD pipeline.

- Integrated *Prometheus, Grafana, and OpenTelemetry* to monitor microservices across all FSS products, improving observability and reducing mean time to resolution (MTTR).

- Part of a team responsible for the data migration process from **Oracle 19c to AWS Aurora MySQL**, leveraging Apache Spark with the PySpark library to handle large-scale data processing efficiently within the AWS cloud infrastructure.

- Developed **PySpark** scripts for data comparison and validation, ensuring accuracy and consistency between Oracle and AWS Aurora MySQL databases during the migration process.

- Collaborated with *cross-functional Agile teams to support microservices*, payment switching, 24x7 uptime, ensuring seamless releases for global banking clients.

INTERNSHIP

FSS (Financial Software & Systems) — Chennai, India

Role - Intern | Feb 2023 - July 2023

- Collaborated with development teams to *migrate product code repositories from IBM CLM to Bitbucket* across multiple platforms, streamlining version control and enhancing collaboration.

- Set up *Jenkins to build CI/CD pipelines* for cloud-migrated products, enabling automated builds, testing, and deployments.

- *Integrated security and quality* checks into Jenkins pipelines by configuring Dependency-Check, Detect Secrets and SonarQube to scan product code for vulnerabilities, secrets, and code quality issues.

TECHNICAL SKILLS

- **CI/CD Tools:** *Jenkins*
- **Infrastructure as Code:** *Terraform, Ansible*
- **Containers & Orchestration:** *Docker, Kubernetes, Helm*
- **Cloud Platforms:** *AWS*
- **Monitoring & Observability:** *Prometheus, Grafana, ELK Stack, Opentelemetry*
- **Scripting & Programming:** *Bash, Python, Java*
- **Source Control:** *Git, GitHub, Bitbucket*
- **Security Tools :** *Fortify, SonarQube, Dependency-Check(OWASP), Detect Secrets,Sonatype Nexus, Trivy*
- **Agile & DevOps Practices:** *Agile (Scrum), CI/CD, Infrastructure as Code (IaC), DevSecOps*