Moinuddin T A

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Strategic DevSecOps Engineer | AWS & Cloud Security

Experienced in cloud security, automation, and DevOps, specializing in AWS and enterprise-scale infrastructure. Skilled in enhancing team velocity, implementing secure CI/CD pipelines, and optimizing deployment strategies across distributed systems. Key Achievement: Led deployment automation for 50+ developers, leveraging GitHub Actions, AWS, and other DevOps tools, significantly reducing deployment time and operational overhead.

TECHNICAL SKILLS

- **Cloud Infrastructure:** Expertise in AWS services, including EC2, S3, Load Balancers, Lambda, RDS, ElastiCache, CodeDeploy, AWS Amplify, AWS MSK, SNS, IAM, GuardDuty, CloudFront, WAF, Route 53, DynamoDB, API Gateway, ECR, Amazon Inspector, and CloudWatch.
- **CI/CD**: Jenkins, GitHub Actions, CircleCI, BitBucket CI/CD, AWS DevOps Tools.
- **Infrastructure as Code**: Terraform.
- **Serverless Application Development:** AWS Lambda, Google Cloud Functions and OpenFaaS.
- **Programming Languages**: JavaScript, ReactJS, Python, PHP.
- **Containerization & Container Orchestration**: Docker, Nomad and Kubernetes.
- **Server Management:**
  Web Servers (Nginx, Apache Tomcat Web Server),
  Database Servers (MySQL, PostgreSQL, ClickHouse and MongoDB)
- **Change Data Capture (CDC):** Kafka, Debezium, ClickHouse.
- **Log & Monitoring Tools:** Grafana, Kibana, PromQL, Loki, OpenSearch, and New Relic
- **System Administration & Configuration Management:** Ubuntu, CentOS, Fedora, Shell Scripting
- **VPN & Secure Access:** OpenVPN, Tailscale, Headscale, Teleport.
- **Content delivery network (CDN):** AWS CloudFront, E2E Networks, Cloudflare
- **Firewalls:** AWS WAF, Cloudflare and E2E Firewalls
- **Pentesting & Security Tools**: Burp Suite, ZAP Proxy, Nmap, Snyk.io.
- **Security Automation & DevSecOps Tools**: Jit.io, Vanta.

WORK EXPERIENCE

VUME Interactive Private Limited, Bangalore, Oct 2023 – Present Senior Software Engineer

- Managed end-to-end deployments using **Nomad orchestration** with Fabio load balancers for handling Nomad and Consul services across multiple environments.
- Conducted **penetration testing** for PHP Laravel and Clojure applications, addressing OWASP Top 10 vulnerabilities.
- Automated **NGINX ingress** with **Nomad-packs**, deploying in **prod (handling 10+ million concurrent users daily), UAT, QA, and dev** environments.
- Implemented **GitHub Actions** for CI/CD automation, ensuring seamless deployments across all environments.
- Implemented real-time **CDC**(Change Data Capture) from **RDS** to **MySQL** using **Debezium**, **Kafka**, and **Zookeeper**.
- Configured **Grafana dashboards, Nomad logging, ClickHouse, and MongoDB** for monitoring and observability.
- Managed **Teleport service** for SSH server access and configured **Nomad UI** application proxy with **Cloudflare** Origin SSL
- Implemented and managed the **KrakenD API Gateway** for internal applications, defining **routes based** on application and developer requirements.

Wipro Technologies, Bangalore July 2022 - **Mar** 2023 Technical Lead

- Developed and automated a **CircleCI** pipeline for running unit tests and building Docker images. Utilized Jenkins for deploying to **Kubernetes** environments
- Maintained **RDS, Route 53, VPC, RDB, DynamoDB, SES, SNS** services, and over 300+ user accounts in the AWS cloud.
- Configured scaling activities for production environments and assisted the support team in implementing rapid alert systems using **Grafana** and **AlertManager** integrated with **PagerDuty**
- Successfully migrated a Ruby on Rails project from a monolithic architecture to a microservices-based application using containerization.

Succeed Technologies Pvt Ltd, Bangalore Sep 2019 – **June** 2022 **Software Security Engineer**

- Architected a web services security platform that incorporated authentication, authorization, isolation, and policy management features.
- Optimized and maintained large databases, configuring services to enhance efficiency. This resulted in a 15% reduction in software maintenance costs within one year.
- Successfully migrated a production site application to its latest version, utilizing **Apache** and **Nginx** servers with a MySQL database. Ensured zero data loss during the migration of folders and files.

3E Software Solutions Bangalore Dec 2018 – **Aug** 2019 **Trainee Engineer**

- Developed and customized an e-commerce project using the WooCommerce WordPress plugin
- Redesigned and optimized the 3esofttech.com website, implementing SEO best practices, social media marketing strategies, and enhanced security configurations
- Conducted penetration testing for custom-built websites and tailored ReactJS applications.

EDUCATION

Bachelor of Computer Applications, Annamalai University
12th PUC , 73%, Board of Higher Secondary Education, Karnataka
10th SSLC, 71%, Board of Secondary Education, Karnataka

Certifications

- Completed Kubernetes Beginner Certification from KodeKloud
- Completed Certified Ethical Hacker exam from EC-Council in 2017
- Completed Python shell scripting course from Prompt InfoTech

I declare that the information given above is true to the best of my knowledge.

Place: Bangalore
Date: (Moinuddin TA)