Rohan Komirishetty

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SUMMARY

Senior Backend Engineer with 7 years of experience designing and scaling cloud-native SaaS platforms. Expert in Java/Python microservices and AWS serverless architectures (Lambda, ECS, SQS). Proven success in modernizing monoliths, delivering FinOps innovations in cost visibility and optimization and enhancing CSPM/threat-detection engines. Recognized for driving 10× throughput, 15–30% cost savings, 99.99% uptime, and 40% faster compliance while mentoring teams and advancing DevSecOps practices.

SKILLS

Programming Languages: Java, JavaScript, TypeScript, SQL
Frameworks: Spring Boot, Spring MVC, Spring Security, Hibernate, JPA, Microservices, Node.js, Express.js, JSF
Front-End Technologies: React.js, Angular, JSP, JSTL, Bootstrap, jQuery, AJAX, Redux
Back-End Technologies: Java EE, Servlets, JDBC, RESTful APIs
Databases: MySQL, PostgreSQL, Oracle, SQL Server, MongoDB
Cloud Platforms: AWS, Azure, GCP

DevOps & CI/CD & Other Tools: Docker, Kubernetes, JWT, Jenkins, Git, GitHub, GitLab, Maven, Gradle, OAuth 2.0
Testing Tools: JUnit, Mockito, Postman, Selenium, JMeter
Web Technologies: HTML5, CSS3, JSON, XML
IDE & Tools: IntelliJ IDEA, Eclipse, Visual Studio Code, NetBeans
Project Management: Jira, Confluence, Agile/Scrum, SDLC, Waterfall

EDUCATION

Masters in Information Systems | George Mason University, Fairfax, VA   **May 2021**
BTech in Computer Science | Vidya Jyothi Institute of Technology, Hyderabad, India   **May 2019**

EXPERIENCE

CloudNova Technologies   **Reston, VA**
Lead Software Engineer - Backend   **Jul 2021 - Present**

- Modernized Java monolith into Spring Boot 3.3 microservices (AWS Lambda, SQS, ECS/Fargate), boosting throughput 10× and cutting costs by ∼30% via event-driven autoscaling and rightsizing.
- Architected CloudCatcher's CSPM backend—an agentless engine for automated misconfiguration detection and severity-scored remediation—raising asset visibility ≈40%, reducing incidents ≈30%, and ensuring audit-ready compliance.
- Engineered high-throughput ingestion/ETL pipelines (Python/Java, PostgreSQL/MongoDB, Elasticsearch) processing 1M+ records/day; optimized indexing and partitioning to cut query times by 50% and compliance assessments by 40%.
- Designed real-time anomaly/threat detection using Elasticsearch ML and graph algorithms, improving detection precision by ≈35% and reducing breach-response times by ≈40% across enterprise workloads.
- Instituted shift-left IaC governance by embedding Open Policy Agent (OPA) into CI/CD, scanning 20+ template types across different teams; enforced pre-deployment compliance and cut misconfiguration rollbacks by 25%.
- Built FinOps modules to unify AWS cost visibility, enable role-based reporting, and deliver intelligent cost allocation with Kubernetes/EKS cost breakdowns.
- Automated rightsizing, idle resource cleanup, and S3 tiering to generate reserved-instance/savings-plan recommendations, driving 15–20% cost savings for clients.
- Built a serverless ticket resolution/escalation system (MongoDB, S3, Gmail API, AWS Lambda) that streamlined client workflows and cut average support resolution times by 50% across thousands of cases.
- Integrated AWS Marketplace licensing and onboarding into CloudCatcher, enabling SaaS distribution with subscription billing and usage reporting—shortening partner onboarding by 40% and expanding adoption to 50+ enterprise customers.
- Developed an AI-powered compliance assistant and WAFR chatbot using LLMs with AWS APIs, providing self-service policy validation and accelerating onboarding by ≈40% for 200+ enterprise clients.
- Upgraded APIs to Java 17 with JWT/OAuth2, AWS Cognito MFA, and Secrets Manager, strengthening security posture.
- Containerized services with Docker/ECR and orchestrated on ECS Fargate, supporting 5× transaction growth, reducing tech debt, and achieving 99.99% API uptime in microservices architecture.
- Implemented FinOps strategies—including ARM instance migration, lifecycle policies, log retention, and reserved instances—reducing AWS costs by 15–20%.
- Mentored engineers to adopt concurrency and secure coding practices, raising team delivery standards.
- Led DevOps initiatives by building CI/CD pipelines (Bitbucket, AWS CodePipeline) with SAST/DAST and canary/blue-green deployments, achieving 99.95% deployment success and ≈25% faster releases.

Exert Infotech   **India**
Software Engineer   **Jan 2018 - Jul 2019**

- Developed Java microservices with Spring Boot & Hibernate, boosting system performance by 30% across 10+ enterprise modules.
- Designed RESTful APIs and Node.js/Express services enabling real-time data exchange across distributed systems and 3+ databases, supporting thousands of daily transactions.
- Implemented JWT/OAuth2 security, database indexing, and load testing (JUnit, Mockito, JMeter), reducing production defects by 28% and improving release quality.
- Engineered database solutions with MySQL, PostgreSQL, Oracle, and MongoDB, reducing query response times by 40% through indexing and schema optimization.
- Built CI/CD pipelines (Jenkins, Docker, Kubernetes), accelerating release cycles by 35% and improving deployment reliability by cutting rollback incidents by 40%.