USHA SREE KOMATI

📞 5139579844 ✉ ushasree.komati.work@gmail.com 🔗 LinkedIn 🐙 GitHub 🌐 Portfolio

Professional Summary

Senior Software Engineer with experience in **cloud-native microservices, API optimization, and multi-cloud infrastructure (AWS, Azure, GCP)**. Experienced in **Java, Python, Spring Boot, Angular, AI/ML, Microsoft Entra ID,** and **DevOps** to build scalable, secure, and high-performance applications. Strong track record of mentoring teams, leading cross-functional initiatives, and delivering end-to-end solutions.

Technical Skills

Languages: Java, Python, REST Web Services, SQL, JSON, YAML
Frameworks/Tools: Spring Boot, Flask, FastAPI, Angular, Docker, Maven, Jenkins, Bitbucket, Jira, Splunk, SwaggerHub, SonarQube, Confluence, Apache Kafka, Kubernetes, Terraform, Figma, Miro
Security: Spring Security, OAuth2, HashiCorp Vault, Imperva
API Management: ForgeRock IDM, Microsoft Azure Entra, Kong API Gateway
Databases: DynamoDB, MySQL, Postgres, GraphQL
Cloud Platforms: AWS (EC2, ECS, S3, Secrets Manager, Parameter Store, CloudFormation, IAM, OpenSearch), GCP (Dialogflow), Azure (Entra)
Methodologies: Agile (Scrum, Kanban), TDD, Software Development Life cycle (SDLC)
Testing: JUnit, Mockito, Spring Test Framework
Certifications: AWS Certified Developer Associate, Microsoft Azure Fundamentals

Experience

Senior Software Engineer, Prudential   **Aug 2023 – Present**

- Built **RESTful APIs** acting as a proxy between third-party and internal APIs, enhancing response times by 25%.
- Architected 6+ **microservices** to integrate with enterprise platforms (**APIGEE, Azure Entra, ForgeRock, Kong**) for seamless data flow across systems.
- Optimized API SLAs from 16s to 0.2s and 5.1s to 2s, enhancing system efficiency and user experience.
- Collaborated with cross-functional and business teams to design in **Figma** and develop a new developer portal with polished features, improving user experience and increasing developer engagement by 50%.
- Deployed **AI chatbots** within the application to provide documentation support & simplify onboarding friction.
- Leveraged **AWS** services including **EC2, ECS, S3, DynamoDB, Secrets Manager, Parameter Store, CloudFormation, IAM,** and **OpenSearch** to design scalable, secure, and high-performing applications.
- Developed **ETL** jobs processing 50K+ daily records & optimized DynamoDB schemas for 3 high-traffic services.
- Implemented applications using **Entra** ID, leveraging **Microsoft Graph APIs** to enable seamless user workflows.
- Led discussions on migrating legacy application to new application, enhancing usability and maintainability.
- Achieved 88% unit test coverage using **JUnit, Mockito**, ensuring high code quality & reducing production issues.
- Automated **AWS** infrastructure with CloudFormation templates, streamlining reduced manual provisioning time.
- Leveraged **prompt engineering techniques** to streamline repetitive coding tasks & boosting team productivity.
- Initiated & managed a mentoring program for junior developers, resulting in increased knowledge sharing.
- Facilitated API workshops across developer community, improving API governance & developer experience.
- Integrated **ML** based **anomaly detection** into API monitoring dashboards to identify latency spikes & downtime.
- Spearheaded daily design discussions, code reviews & team meetings to maintain quality, efficient solutions.
- Accomplished **Terraform** scripts for Infrastructure as Code (IaC), streamlining cloud resource provisioning.

- Contributed to PI planning by analyzing features, and led **feature development** initiatives by authoring user stories and technical requirements in **Jira** providing estimates, revamping project management efficiency.
- Utilized observability frameworks using AWS CloudWatch & Dynatrace for real-time alerting, root cause analysis.

Software Development Engineer II, EPAM Systems   **Jan 2020 – Jul 2022**
- Managed client on boarding process for a banking application utilized by a top financial organization.
- Developed and maintained 50+ **REST APIs** leveraging **CQRS microservices** design pattern and batch processing tasks with **cloud infrastructure**.
- Identified and redesigned bulky APIs, whose response times revised by 90% (15–20s to 1–2s for 10+ APIs) by using AWS Lambda to Lambda invocation and removing unnecessary REST calls to method invocations.
- Deployed **AWS solutions** using EC2, S3, EBS, ELB, auto scaling groups, Security groups, Cloud Formation, IAM.
- Strategized with collaborative **cross-functional teams** and stakeholders to plan sprints, estimate user stories.
- Addressed 40+ real time issues & client problems to deliver reliable solutions meeting business requirements.
- Designed event driven notification mechanism with observability workflows, using **Kafka, AWS SNS** and **SQS**.
- Spearheaded a team of software engineers & given technical guidance to 9 interns during their training phase.
- Conducted 100+ design discussions and code reviews to ensure quality and governance compliance.
- Refined **API management solutions**, handling rate limiting, request validation & logging leading to improved API reliability & reduced downtime.

Software Development Engineer, Tata Consultancy Services   **Apr 2019 – Jan 2020**
- Leveraged monitoring, debugging, troubleshooting and logging tools to enhance performance of existing APIs by 90% for banking applications.
- Designed & developed software solutions using **Java, Spring Framework, microservices** architecture.
- Maintained products adhering banking clients standards to ensure minimal impact on user experience.

Software Intern, Coign Consultants Service   **Apr 2017 – Aug 2017**
- Developed a **mobile application** to help users find nearest ATMs, hospitals with estimated distance.
- Implemented location-sharing functionality, allowing users to track the whereabouts of friends and family.
- Adhered **coding standards** and improved technical skills, delivering consistent high quality work.

Personal Projects

Budget Tracker (Streamlit, Python, SQLite) : Built a monthly budgeting tracker app with category-based income, savings & expense tracking, performed interactive dashboards with data visualization for financial insights.
Log Analyzer(Python, AWS S3, OpenSearch) : A real time log analyzer using ML to detect anomalies.
E-commerce Application (Spring Boot, Angular, MySQL): Developed an end to end full-stack application with consumer/admin-level features, implemented role-based access control.
Stock Management System (Java, Angular) : Real-time inventory tracking system app utilized by 20+ schools.
Enquire Bot (Python, GCP Dialogflow) : Created an NLP-based enquiry chatbot, improving user query efficiency.
Release Notes Analyzer (Python, Flask, ML) : A web-based ML tool to analyze & visualize release notes.

Education

Masters in Computer Science - University of Cincinnati, **GPA** : 3.93/4.0   **Aug 2022 – Dec 2023**
Bachelor of Technology in Computer Science - GITAM University, **GPA:** 3.77/4.0   **Aug 2015 – Apr 2019**

Awards and Recognition

- Recognized for leading API governance workshops, fostering developer community growth (2024).
- PatOnBack Award at EPAM Systems for exceptional contributions (2021–2022).
- Merit-Cum-Scholarship recipient for outstanding academic performance (6 semesters).