Karthik Gunturi

Software Developer | Building Scalable, Cloud-Native Applications
+13147454951 | karthikgunturi1999@gmail.com | LinkedIn | USA

SUMMARY

Software Engineer with 3+ years of expertise in Java, Spring Boot, and AWS, specializing in building scalable RESTful APIs and microservices. Proficient in Agile methodologies, CI/CD pipelines, and performance optimization, with a strong focus on system reliability and security. Passionate about delivering innovative solutions and contributing to cutting-edge projects.

EXPERIENCE

Enliven Technologies |Virginia, United States| 03/2025 - present

- As part of a Team, designed, developed, and implemented web-based applications using **Java 17**, **Spring boot**, and **hibernate** that are used to run operations and supply chain activities as part of their daily operations.
- Involved in supporting tickets, **developing**, **bug/fix** releases, upgrading and implementing computer applications software changes including integration tasks for in-house developed systems and purchased software solutions.
- Implemented **RESTful APIs** using **Spring MVC** and the @RestController annotation, ensuring clean and maintainable code for handling **HTTP** requests and responses.
- Utilized **Spring Security** to implement authentication and authorization mechanisms, ensuring secure access control to the application's resources.
- Used **OAuth2** and **JWT** for secure API authentication with external **payment providers**, ensuring token-based access for secure interactions.
- Participated in **Agile** development processes, including sprint planning, task estimation, and daily stand-ups, delivering features on time and within scope.

Alyx Ai Labs Pvt Ltd | Hyderabad, Telangana | 01/2020 - 12/2022
Client: Ruckus Networks | United States

- Joined the team to work on a real-time IT service monitoring system for a Managed Service Provider (MSP). Analyzed the existing system and identified performance bottlenecks in backend APIs.
- Designed and developed a scalable and resilient **microservices** architecture using **Java** and related technologies, following best practices and **design patterns**.
- Integrated **Apache Kafka** for event-driven data synchronization, improving data consistency and reducing network downtime by 15%.
- Developed and maintained **React.js** components, improving UI responsiveness and reducing page load times by 25%.
- Integrated Stripe for secure payment processing and used **AWS Lambda** to handle asynchronous payment updates, improving transaction speed and reliability.
- Migrated the database to **AWS RDS** and optimized **PostgreSQL/MySQL** queries, improving data retrieval speeds by 30%.
- Set up **CI/CD** pipelines using **Jenkins** and **GitLab CI**, automating build, test, and deployment processes, which reduced release cycles by 20%.
- Configured CloudWatch for real-time system monitoring and Logstash with **Log4j2** for centralized logging, improving error detection and resolution efficiency.
- Implemented **OAuth2** authentication and **JWT**-based authorization for REST APIs, ensuring secure access and enforcing role-based access control (RBAC).
- Improved API performance by implementing **Redis** caching, reducing API load times by 40% and enhancing system responsiveness.
- Integrated **ElasticSearch** to tackle slow search queries, ensuring rapid search results even as the dataset expanded, improving user experience and system efficiency.

SKILLS

Programming & Front-End: Java, Advanced Java, JavaScript, SQL, React.js, HTML, CSS, XML, JSON
Frameworks & Libraries: Spring Boot, Spring MVC, Spring Cloud, Hibernate, Spring Security, gRPC, SLF4J
Cloud, DevOps & Databases: AWS,GCP, Docker, Kubernetes, CI/CD (Jenkins, GitLab CI), Terraform, PostgreSQL, MySQL, Redis, ElasticSearch, Kafka, RabbitMQ, Prometheus, Grafana, ELK Stack, Helm
Tools & Testing: Git, IntelliJ IDEA, Eclipse, Postman, Swagger, Maven, JUnit, Mockito, Bitbucket, Jira, Confluence, Slack, Spring Tool Suite, cURL, GraphiQL
Methodologies & OS: Agile, SDLC, Windows, macOS

PROJECTS

AI-Driven Resume Keyword Extractor – Designed and built a Spring Boot application that utilizes spaCy NLP to extract and analyze resume keywords, optimizing ATS (Applicant Tracking System) compatibility. Developed REST APIs for seamless integration and leveraged PostgreSQL for data persistence.

AI Chatbot for Websites – Developed an AI-powered chatbot using Spring Boot and Hugging Face AI models, enabling real-time customer interaction. Implemented WebSockets for instant responses and RESTful APIs for scalable integration, improving user engagement and reducing support overhead.

EDUCATION

Master's in Information Technology Management - Webster University, St. Louis, MO | 12/2024