

# KEERTHIKA S

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## WORK EXPERIENCE

### LUMEN ACCOUNT

Jun 2024 - Present

- Conducted detailed analyses of customer addresses to identify and rectify discrepancies, utilizing regex pattern logic implemented in Spring Boot.
- Developed and presented results of address analyses to support team in fallout analysis.
- Ensured code standardization and stability by writing comprehensive JUnit test cases for Spring Boot services.
- Executed Sonar Lint analysis on APIs to uphold code quality, stability, and adherence to coding standards.
- Contributed significantly to the Research & Development team, initiating and executing multiple proof-of-concept projects addressing various production challenges and delivering viable solutions.

### AUTOMATED USER DATA RECTIFICATION

- Led a project using Plume as a reference to automate manual user data rectification across telecom service applications like Salesforce and Zuora. Utilized Java 8, Spring Boot with Spring Security for authentication, Swagger for API documentation, and logging methods for traceability.
- This automation reduced manual effort by 70%, resulting in a 50% decrease in processing time

### Generative AI Integration for Enhanced Customer Interaction

- Utilized OpenAI's Whisper AI for speech-to-text and text translation enhancing user accessibility and interaction.
- Implemented GPT-3.5 Turbo for the chatbot to significantly improve customer interaction experience.
- Transformed existing fuzzy logic systems using Spring AI to accurately retrieve and validate customer address data from the database.

### Hackathon and Innovation Showcase

- IoT Projects: Developed an alcohol detection system using a GSM module and created a water conservation system.
- Propay Project: Utilized Spring Boot, MySQL, Angular, HTML, CSS, and JavaScript.
- Hackathon Participation: Collaborated in Ingenious Connect Season 10 on Generative AI concepts, showcasing AI knowledge and innovative solutions.

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## SKILLS

- **Programming Language:** Java
- **Frameworks :** Spring Boot, Spring JDBC, Spring MVC, Spring Batch, Spring Security
- **Microservices:** Rest template, Web Client, Restful API's
- **Databases:** MySQL, H2, Oracle, Salesforce
- **Devops CI/CD:** Kubernetes, Docker, Jenkins
- **Testing:** JUnit, Mockito
- **Code Quality:** SonarLint Analysis
- **Generative AI:** ChatGPT 3.5 turbo, Open AI, Whisper API

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## CERTIFICATIONS

- Google Cloud: Associate Cloud Engineer
- ChatGPT Complete Guide: Learn MidJourney ChatGPT-4
- Introduction to OpenAPI
- Java and Spring Framework with Spring Boot.

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## EDUCATION

Bachelor of Engineering, Electrical and Electronics Engineering  
Easwari Engineering College, Chennai

Aug 2018 - May 2022