Kavya Garikapati

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SUMMARY

Experienced Software Developer with 3+ years of expertise in backend development, specializing in building secure, scalable systems and improving operational efficiency. Proficient in designing and implementing RESTful services, integrating external APIs, and optimizing legacy systems for modern requirements. Strong quality assurance skills fostering attention to detail and a commitment to delivering high-quality solutions.

TECHNICAL SKILLS

Programming Languages & Frameworks: Java, Spring Boot, Python, JavaScript, HTML, CSS, React

Version Control & CI/CD: GitHub, GitLab, Jenkins, Maven

Core Competencies: Backend Development, API Integration, System Optimization, Data Structures, Algorithms

Tools & Platforms: Eclipse, IntelliJ, Rational Application Developer, SOAP UI, Oracle SQL developer, Postman, Jira, Confluence

Testing & Quality Assurance: Junit, Mockito, Snyk, SonarQube

PROFESSIONAL EXPERIENCE

MANULIFE, ASSOCIATE BACKEND SOFTWARE DEVELOPER   Sept 2022 – Present

- Implemented dynamic generation of URLs and QR codes for secure user photo ID upload, leveraging **Java** and **Spring Boot** to seamlessly integrate backend and frontend systems for a smooth user experience.
- Automated application status updates in case of identity verification failure, enhancing fraud prevention and improving the accuracy of user onboarding workflows.
- Added input validations for identification service data to ensure data integrity, preventing potential security breaches and ensuring secure data handling.
- Mitigated security vulnerabilities by fixing **Snyk** issues, maintaining compliance with security standards, and improving the overall security posture of the application.
- Analysed legacy PDF generation processes and redesigned the **API** for generating subaccount PDFs, significantly improving response time and system efficiency.
- Spearheaded PDF generation API creation using **Apache Velocity** and **XSL FO templates**, streamlining document generation and improving customer experience through faster, more efficient PDFs.
- Coordinated cross-service communication by making **APIM** and **Apigee** calls to various services ensuring seamless integration across multiple systems.
- Enhanced system quality by addressing **SonarQube** issues, improving code quality, optimizing performance, and reducing security risks within the codebase, thus increasing code quality by 35%.
- Developed unit tests for all PDF generation methods, ensuring robust functionality across services and a high standard of reliability for the application.
- Wrote comprehensive unit tests using **JUnit** and **Mockito**, increasing test case coverage by 20%, ensuring better software reliability and more efficient error detection.
- Integrated **PII.yml** configuration for creditor account details masking, enhancing data security and ensuring compliance with privacy standards.
- Enhanced customer onboarding by adding external fraud detection API to the adjudication process, improving fraud prevention and overall system security.

TATA CONSULTANCY SERVICES LTD, ASSISTANT SYSTEM ENGINEER   Apr 2019 – Apr 2021

- Conducted comprehensive testing and validation of applications used for registering leased line subscriptions at TATA Teleservices, ensuring seamless functionality and performance across platforms.
- Expertly utilized both **Manual** and **Automation Testing** methodologies to identify and address potential issues, contributing to the efficiency and reliability of the systems.
- Collaborated closely with the software design team to strategically plan and implement testing workflows, identifying critical vulnerabilities in the security architecture to mitigate risks and enhance system integrity.
- Developed and implemented a robust **test automation framework** using **JUnit**, streamlining regression and performance testing processes, and improving overall test coverage and software reliability.
- Spearheaded testing cycles using **Agile** methodologies, ensuring the iterative and timely delivery of high-quality software products while maintaining focus on continuous improvement and adaptability in fast-paced environments.

EDUCATION

UNIVERSITY OF WATERLOO	**May 2021 - Sept 2022**
Masters of Engineering – Electrical and Computer Engineering	3.9 GPA
CONRAD SCHOOL OF BUSINESS	**May 2021 - Sept 2022**
Certificate in Business and Entrepreneurship	3.9 GPA