SIVARANJANI JAYARAJAN

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EXPERIENCE

Software Engineer | Clear (Formerly ClearTax) | May 2021 - September 2022

- Engineered an internal tool leveraging Node.js and Puppeteer.js to automate e-invoice generation processes for prominent airline clients such as Indigo and Air Asia. This initiative significantly diminished manual labor, resulting in annual savings of about $125,000 by eliminating the need for outsourcing.
- Designed and implemented standardized python based middleware solution deployed on customers servers, empowering customers to seamlessly integrate ERPs with ClearTax APIs and facilitating efficient data exchange, system compatibility and data security.
- The middleware automated document synchronization processes between customers and ClearTax, drastically reducing manual overhead in maintaining audited financial transaction records by over 90%.
- Designed and deployed scalable WebAPIs using the OpenAPI specification and API Gateway, enabling seamless integration with customer middleware for efficient e-invoice processing.
- Successfully launched Phase 1 of the E-invoice generation process in Saudi Arabia with clients Redtag & Linde, overseeing efficient processing of over 1 million invoices per day.
- Modularized middleware product with injected configuration, enhancing customer flexibility, increasing code reusability and enabling seamless integration with diverse ERP systems without requiring code modifications.
- Developed a robust backend invoice generation engine to process invoice payloads received from APIs, enabling efficient generation and secure storage and archival of e-invoices.
- Managed as interim team lead during a leadership transition, successfully guiding a team of three members to ensure timely project delivery and maintain productivity.
- Led cross-functional brainstorming sessions with Sales and Account Managers to address security and technical queries, resulting in a 30% increase in customer retention and showcasing a collaborative approach to success.

Associate Senior Software Engineer | Cerner Healthcare | August 2019 - May 2021

- Engineered and implemented an alert generation service to notify clinicians of contraindicated medications for the same PRN reason, reducing manual errors by 40% and enhancing patient safety.
- Implemented high-performance, multi-threaded service logic in java, seamlessly integrated with a MySQL database to query patient history and cross-reference against current prescriptions, enabling real-time alert generation.
- Conceptualized and engineered a high-performance, efficient bulk order generation service using java to simulate heavy loads on backend systems, ensuring resilience under stress testing.
- Detected and mitigated over 90% of memory leaks, significantly enhancing system reliability and performance.

Software Engineer | Cerner Healthcare (Now Oracle) | January 2017 - August 2019

- Led end-to-end technical feature implementation, encompassing requirement gathering, story breakdown, design, development, unit testing, and CI/CD integration.
- Mentored and onboarded new associates by providing hands-on guidance and support, ensuring a smooth transition into new roles.
- Received awards for significantly reducing issue cycle time from 60 to 24 days and for consistently delivering high-quality solutions and timely features.
- Collaborated with product managers to gather client business problems, translating and classifying issues into functional and technical specifications.
- Streamlined the deployment process by migrating from Anthill to Jenkins thereby improving build times by 30% and reducing the overall cost for CI/CD.

EDUCATION

Bachelor of Engineering (B.E.) in Information Science & Engineering |

New Horizon College of Engineering, Bangalore (Affiliated to Visvesvaraya Technological University) | Bangalore, India | August 2013 - May 2017

CERTIFICATIONS

AWS Certified Solutions Architect - Associate

SKILLS

Programming Languages: Python, Java, C++, Node.js

Data Engineering: ETL, Data Pipeline Development, Database Principles, Data Validation

Healthcare Standards: HL7, FHIR, EHR Systems

Cloud Technologies: AWS

Tools & Frameworks: Django, Puppeteer.js, MySQL, Git