

Manikandan Vijayan

Lead - Technology Solution Development

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Experienced lead in technology solution development with expertise in full software development lifecycle, workflow engines, rules engines, Java, Python, and various frameworks. Proven track record in optimizing application performance, leading cross-functional teams, and delivering high-quality solutions. Looking to utilize skills and expertise to foster innovation and drive success within a new organization.

SKILLS

Programming Languages: Java , Python, Javascript(ReactJS)

Cache: Redis

Tools and Frameworks: Rules engine(JBOSS DROOLS), workflow engine(JBPM) , Apache Camel, Apache Kafka, RESTFUL and SOAP services, Spring boot, Spring batch, Object relational mapping(ORM), Selenium, TestNG, PL/SQL

Project Management & Development Tools: JIRA, BitBucket, Sonarqube, Jenkins

Database: Oracle

Robotic Process Automation: UiPath

Certification: AWS Certified Developer - Associate



WORK EXPERIENCE

CareCentrix - Tampa, Florida, USA

Lead Technology Solution Development

January 2023 – Present

- Managed delivery of application team objectives and planned technical enhancements for production releases.
- Crafted high-level solution specifications for technical implementation and provided accurate estimations.
- Provided Subject Matter Expert (SME) support for project requirement gathering, technical design, and implementation.
- Upgraded applications from Java6 and Spring Boot 2 to Java11 and Spring Boot 2.7, resulting in streamlined processes.
- Implemented Redis caching solution, reducing database hits by 50% and significantly enhancing application processing speed.
- Engineered an event-driven system using Apache Kafka streams to send fax messages to consumers.
- Collaborated with geographically dispersed teams to analyze infrastructure impacts and develop robust solutions.
- Designed and created automation API using Spring Boot framework and Apache Camel API which helped business users to save 3 hours per day to reprocess stuck claims.
- Maintained software delivery aligned with industry-standard coding metrics, upholding stringent quality benchmarks.
- Implemented an UiPath automation solution resulting in an 83% reduction in manual workflow processing time, decreasing the duration from 5 hours to just 50 minutes for operational users.

- Framed complex SQL queries and PL/SQL procedures, aligning with precise business requirements.
- Collaborated with the enterprise architecture team, ensuring solutions and design met business needs.
- Identified and rectified data processing bottlenecks and software code bugs for enhanced performance.

Senior Application Developer

September 2019 – January 2023

- Engineered an application configuration overview tool, enabling visualization of Master Data Management configurations for business users. Utilized React JS for the frontend and Oracle as the data store, enhancing data management efficiency.
- Spearheaded the design and implementation of QA regression test case automation applications using Spring Boot, Selenium, and TestNG, reducing regression testing time from 24 hours to 6 hours.
- Collaborated closely with business owners, grasping requirements and swiftly addressing application-related inquiries.
- Monitored production servers and applications using AppDynamics, effectively communicating status updates to stakeholders.
- Planned and executed numerous enhancements to healthcare claim processing applications, aligning with evolving business requirements.
- Designed and implemented multiple Python automation frameworks, streamlining the reprocessing of stalled claims in the production environment.
- Built, tested, and optimized a high-throughput healthcare claim processing application, capable of handling over 100k requests per day, leveraging JBPM and JBOSS DROOLS framework.

Accenture - Tampa, Florida, USA

Application Development Senior Analyst

November 2015 – September 2019

- Designed, constructed, and tested payment processing applications using workflow engine (JBPM) and rules engine (JBOSS DROOLS), ensuring seamless operations aligned with specific business requirements.
- Orchestrated comprehensive technical modifications across three distinct client applications, leveraging JBPM and JBOSS DROOLS technologies.
- Led end-to-end project cycles, including requirement gathering, design, implementation, testing, and software deployment, ensuring successful project releases.
- Assisted client business analysts in comprehending system implementations, aiding in the creation of requirements for new projects.
- Managed over 80 Restful and SOAP service APIs, managing diverse domain data for various consuming applications.

Achievements: Received employee ACE - Super Star award from Accenture.

Application Development Analyst

March 2013 – November 2015

- Engineered, developed and implemented tailored RESTful and SOAP web services, meeting precise client specifications.
- Devised and built universal client interfaces, facilitating the exposure of RESTful web services to all consumers.
- Ensured software delivery compliance with industry-standard coding metrics, maintaining JUnit coverage consistently above 90%

EDUCATION

Bachelor of Engineering — Electronics and Communication, **Anna University**, India