Vineeth Menon

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Summary

I have a total of 8+ years of experience in the industry developing and testing software solutions for multiple commercially successful products from scratch with active involvement throughout the development life cycle. Proficient at implementing core backend development tasks such as RESTful API, 3rd party API integrations, implementing test framework for mobile, web and REST based services. Adept at employing Agile methodology of software development to lead teams, effectively collaborate with multiple internal stakeholders and deliver high quality products.

- Proven track record in creating Large Scale Enterprise Web Services.
- Experience working on micro services such as FastAPI, Flask and Spring Boot.
- Experience in handling, setting up and running the message broker – Apache Kafka.
- Ability to identify optimization points and best practices that focus on client side, server side and integration layer performance.
- Ability to troubleshoot custom solutions, devise alternative customization approaches to alleviate congestion, handle failures, and increase backend performance for distributed systems.
- Experience in deploying applications on the AWS and Azure.
- Accountable for setting up and configuring MongoDB and it's replica Servers for Dev, QA, Pre-Prod, Prod and DR environments across different Geo Locations.
- Experience with Ant and Maven in building pipelines and deploying application in web/app servers.
- Comfortable with developing on both Windows and *NIX systems.

Technical Skills

Programming Languages	: Java (JDK 8), Python 3.7
Java/J2EE Technologies	: Servlets, JSP, JDBC, Hibernate, JAXB, JAX-RPC, RAX-RS
Databases	: PostgreSQL, MongoDb
Web/Application Servers	: FastAPI, Flask, Tomcat, Spring Boot
Tools	: Apache Kafka, Git, SVN, Maven, Ant, Docker

Work History

Broadsign March 2021 to Present

Software Developer II - Broadsign Reach (https://docs.broadsign.com/broadsign-reach/getting-started.html)

Currently part of a team that is deploying a new product to market which would be integrated into Broadsign Reach. Primary responsibilities include:

- Currently working on modernizing existing monolith into lightweight micro-services.
- Built out a query service that queries information in a scalable and efficient manner using FastAPI.
- Creating new API's using FastAPI and modernizing existing API's (Flask) by co-ordinating with the front-end team.
- Introduced pair-programming, lunch & learn and code quality reviews to reduce tech debt.
- Designed an ideal process for data movement from multiple sources via Apache/Confluent Kafka.
- Part of the monitoring team to handle issues when new customers are being onboarded.

Wipro July 2014 to March 2021
Software Developer - Wealth Division at TD Bank
- Modernized existing core API's by co-ordinating with the front-end team and multiple stake holders.
- Created new API's which aids in better application performance and reduce stress on Legacy API's.
- Working with the operations teams, using domain knowledge to improve DevOps lifecycle.
- Working with QA teams to ensure backend testing is done (Postman/Insomnia).
- Worked on automating batch processing. This includes automated maintenance operations, log parsing, and job success/failure email notifications for all automation events.

Technical Lead - xTune
A test automation framework uniquely designed to support test automation requirements for customer.
- Designed a new, light-weight framework, which is plug & play based, using best practices of software design patterns
- Provided increased ability to on-demand parallel execution with auto-scaling ability
- Streamlined usage of Selenium Grid
- Ability to develop end-to-end test cases (GUI, API, DB validations)
- Improved test reporting – with integration to code repo (Git) and test management tools (JIRA, ALM)
- Enabled early detection of Accessibility issues – integrated accessibility code scans
- Improved usability testing – by integrated AppliTools library
- Fully driven by DevOps pipeline

Technical Lead/Software Engineer - Travel and Expense Application for P&G
A single framework for employees to create itinerary, perform travel, hotel and car booking, capture receipts and create expense reports.
- Worked on the development of central reservation system to handle **50K + requests per day**.
- **Developed the** SAP to Java Integration using the SAP JCo-Connector.
- **Improved the efficiency** of legacy API's from 10 - 15 minutes to 1 - 2 seconds.
- Single handedly **delivered -100+ features** for the reservation (Backend) system.
- Setup, configured and implemented the consumer and producer for the message broker – Kafka.
- Setup and configured a MongoDB Replica Server across different Geo Locations.
- Set up and configured end to end environments on Dev, QA, Pre-Prod, Prod and DR Environments on Azure.

Software Engineer - RESTful Analytics Engine (NDA Signed)
- Developed a RESTful Analytics Engine to analyze user's social media accounts.
- **Successfully coded** the base engine for Facebook and Twitter to get user data for XXX business requirements. (NDA Signed)

Education
Masters in Computer Science – University of Bedfordshire, United Kingdom - 2011

Publications - *Look Before You Leap! A Software Developer's Guide to Effective Debugging*

Wipro IP
xTune – Primary Author and Architect.