Abinandan Naik

Senior Software Engineer

Software enthusiast who specializes in Java, Spring Boot and web-based development. Having great knowledge in banking domain with working experience of 7 years plus in both private and public banks. Adherent of clean coding practices, test driven approaches to solve challenging problems that ultimately enhances customer experience and satisfaction. Certified AWS solution architect with good knowledge of cloud technology. Experience of working at all stages of the Software Development cycle along with business teams to convert business ideas or workflows into a working application.

Contact

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Education

06/2011 - 07/2015

B.E. in Electrical & Electronics Engineering

Visvesvaraya Technological University (VTU)
Mangalore, India

Expertise

- Java
- Springboot
- Microservices
- MySQL
- AWS
- Agile
- Banking
- REST
- Spring MVC
- JavaScript basics
- HTML

Certificate

AWS Certified Solution Architect - Associate (08/2022 - Present)

Experience

DBS Bank - IBM (Contract) - Matrix Process Automation | Singapore

11/2021 - Present,
Senior Software Consultant

- Notification Preference Project: Build new REST APIs which are easy to maintain and highly available using spring boot microservices, hibernate for channels application. Use Java 11 (streams, lambdas) and collections library to solve complex business logic.
- Delivered above 80% unit tested code using contract testing using groovy, TDD, Junit, BBT. Create mock services to mock the subsystem to test multiple scenarios. Use Mockito library achieve high coverage checks using stubbing.
- Follow the hexagonal architecture and use spring JPA repository to manage database.
- Run continuous performance tests using JMeter and chaos tests using open-source tools, create performance environment with Production NFR to replicate the actual load and fine tune application based on the findings.
- Deploy apps to PCF and integrate with AWS components, make the system scalable using autoscaling scripts. Write shell scripts to handle the green-blue deployments via CD/CI pipeline.
- Follow and track agile practices with regular scrum calls and update relevant Jira and other tracking tools. Involve in spring planning, project planning and setting up the project timelines and estimates.
- Manage end to end delivery for the backend components which involves raising change tickets, creating implementation plans, attending change management meetings to get all the necessary approval for production go-live.
- Develop and deliver new features as part of project like managing the preferences of customers and bridge the connection between native code and subsystem.
- Fix vulnerabilities and maven dependency management found in code quality gates like Sonar, nexus, fortify scans to clear the hard gate which was implemented to bring down the scan issues to 0.
- Delivered a major cost reduction project which involved patching huge volume of sensitive data using in-depth knowledge of databases like MySQL, Oracle, MariaDB, DB2 databases.
- Possess great knowledge of developer tools like Jenkins, Jira, Bitbucket, Git, Maven, Intellij to work with multiple members in a team.
- Work on changes on a service which handles configurations including feature flags for any new features.
- Support UAT, regression, Pen test and other testing cycles and provide defect fixes with very short turn over time using log monitoring and tools like grafana, pcf app metrics.
- Create documentation and architecture diagram for presenting in solution discussion forum and management meetings. Procure and produce artefacts whenever required.
- Notable contribution to the team was developing a tool in java which helps to generate large number of scripts for sql statement execution which handles even the corner conditions, which saved lot of manual effort in creating the scripts from excel files.

Bank of Julius Baer - CognizantTechnology Solutions | Singapore, India

03/2016 - 11/2021

Associate

- IT4IT Project: Lead team of 3 members to manage overall lifecycle upgrades for EOL components, including jboss, BRMS, PHP, Redis cache.
- BRMS Upgrade: The scope of the project includes the upgrade of BRMS Rule engine from a lower version to current supported version. This also includes migration of all business rules, re writing java client code to support the higher version of BRMS (Decision Manager).
- Brainstorm and solve technical challenges along the process. Build multiple POCs which would help in taking further decisions like architecture or design and estimation.
- Pricing Project: Client Pricing Portal is a Spring Boot application for front office to implement pricing requests and workflow. We have used dev cloud for development, reaching the milestone of first application to be written in a cloud setup within the bank.
- Write complex simulation logic with reusability in mind to solve complex pricing logic and simulation report generation. Write APIs to communicate with multiple interfaces including globally deployed applications.
- Implement new features in a client facing system (CRM) by understanding requirements and designing optimal solutions which would involve multiple systems like BPM process tools, reports, statements and core banking.
- Worked on multiple projects in this application on both front-end and backend changes. One of the major projects involved in changing the UI and adding additional fields for user to Input as part of MAS regulations. Which data would then be sent to downstream like T24 core and setup multiple calculations and validations.
- Implement audit and MAS regulatory changes in system KYC system, including report generation from the source system.
- Design and develop apps integrating multiple systems using Kafka, MQ and batch processing to achieve distributed systems and multiple systems had to communicate with each other so the issues had to be isolated from each systems.
- In the application I have learnt how to interact with customers, work on user stories and user expectations. Working closely with business team gives insight on how the Banking business works and how we manage day to day expectations of customers.
- Work on APIs using REST, EJB services and facilitate for movement systems from legacy code to latest framework.
- Develop java satellite service to facilitate the core banking and provide encryption/ decryption for customer identifiable data. Build Notification handler application from scratch.
- Develop secure APIs using security concepts like OAuth2, JWT token, IAM, session tokens.
- Enhance the user experience of client facing systems like CRM, KYC, E-Statements. Lead the team for a successful migration of legacy rules management tool to the latest redhat jboss BRMS.
- Client Output Project: All the client statements like asset statement, account statement, security management, advice, month end statement, ad hoc statements were generated via this application and vendor tools like GMC designer and doxter data archival system was used. For this project I was part of team which was assigned as a task force to deliver the system migration from Olympic to T24
- Adopt the fundamentals of OOPs concept to write readable and functional code.
- Proper error logging and exception handling and manage audit findings to avoid SLA breaches and incident tickets.
- Notable contribution to the team was fixing the existing versioning framework which had grown complex over the years and frequently ran into deadlocks and data inconsistency errors. Debugged and changed the code to clear the locks and wait for the lock to release and synchronize blocks wherever possible to bring down the db lock errors to 10% from their initial count.