

## **Experience Summary**

An accomplished **Engineering Manager** with over **11 years of technology and information management experience** specializing in object-oriented design of highly scalable, distributed, micro service-oriented, API-based enterprise applications; with extensive experience in the complete life cycle of software design process including requirement elicitation, prototyping, design, architecture, unit testing, continuous integration and deployment, and maintenance.

- Over 5 years of **engineering management experience** building and mentoring global teams with a strong focus on building highly scalable, fault tolerant, web based applications in a micro services eco system
- Over 7 years of **hands-on experience as a technology lead** in **JAVA** EE based development ecosystem responsible for building **Java Web service** based solutions
- Over 5 years of experience building **cross channel applications using API-first** approach in an **CQRS, event sourcing and data streaming** based ecosystem using **Apache Kafka and Storm** and using a **NoSql data store (MongoDB)**
- Define and implement **roadmaps and strategies** for converting legacy monolithic web applications into **cloud native** API based RESTful services
- Extensive experience in building and maintaining microservices and APIs using **Resilience4J** (circuit breaker), **consul** (service discovery), **apigee** (service gateway) and **Redis** (in memory data store) for cross channel applications
- Extensive experience in designing **web based, service-oriented, server-side applications** using Java 8, Java EE (Servlets, JSP, JDBC, EJB 3.0), JMS (ActiveMQ), Pivotal Cloud Foundry, Spring Framework (Core, MVC, Integration modules), Hibernate, Weblogic Server, and VMWare TC Server
- Proficient in designing **customer-facing front end solutions** using **React, Redux and Angular** and **NodeJS** and building integrations with analytics platform using **Google Analytics and Tealium Tag Management**
- Extensive experience managing integrations with “**Test and Learn**” systems like **Oracle Maximizer**
- An evangelist of **Test Driven Development (TDD)** in an **Agile Software Development** environment by developing and automating unit tests using JUnit, XMLUnit and EasyMock libraries
- Expertise in driving **development effort sizing, cost estimation, release planning** and production deployment meetings
- Excellent **team communication**, written and verbal skills
- **Advanced education in computer engineering** with a strong focus on applied computer science, architecture, data structures, algorithms, object-oriented programming languages, design patterns and software project management

## **Education**

- East Tennessee State University (ETSU), Johnson City, Tennessee. GPA-3.81/4.0  
Master of Science, Applied Computer Science.
- University of Pune, Pune, India. 1<sup>st</sup> Class, GPA-3.80/4.0

**Work Experience****Mphasis Corp, San Leandro - CA****July 2014 - Present****Role: Delivery Project Manager**

- Drive development effort to build cross channel, device agnostic, API based web applications for Home Lending, Education Financial Services, Credit Cards and Personal lending lines of business to allow bankers and customers to navigate through apply and loan fulfillment journeys
- Collaborate and communicate with and provide technical direction to product managers, business analysts, application developers and performance engineers ensuring end state application architecture adheres to software as a service 12 factor best practices
- Define strategies for converting legacy monolithic web applications into API based RESTful services for Cross Channel Sales and Service platform
- Evaluate current code base, risk rating, build and release pipelines, application performance heuristics, authentication mechanisms, file access protocols and concurrency models and identify refactoring strategies to convert the application into cloud-native
- Conduct Proof of Architecture and Proof of concepts for vetting new releases of software libraries (JDK, Spring MVC, Spring Boot, Apache ActiveMQ, IBM MQ Series, Spring Source TC Server) to ensure backward compatibility
- Evaluate the use of modern web frameworks like React, Redux and Angular for creating single page applications that use Spring based REST services as a data provider
- Restructure the application code base to achieve loose coupling between Front end components (React, Redux) and backend data providers (Spring REST services, Spring MVC, Spring CORE, Spring Integration)
- Make recommendations to improve application architecture performance and scalability, underlying infrastructure and software design based on review of AppDynamics, Introscope and Splunk performance metrics (JVM Memory utilization, CPU utilization, Database Stall Count, Active Session Count, Disk Space)
- Review current and predicted system performance trends based on anticipated increase in application volume and make recommendations on steps to take to meet the SLA targets

**NTT Data, San Francisco - CA****July 2012 – July 2014****Role: Principal Consultant**

- Creating low-level technical design documents and system interface artifacts based on elicited requirements using Enterprise Architect 9
- Designing and developing enterprise architecture compliant, service-oriented, web based applications using object oriented design and integration patterns
- Implementing and developing server-side code using Java 7, Java EE (Servlets, JSP, JDBC, EJB 3.0s), JMS (ActiveMQ), Spring Framework (Core, MVC, Integration, AOP modules), Struts 1 and 2, Kava Charts, Hibernate, Weblogic Server, and VMWare TC Server
- Creating web based, front-end solutions using HTML 5, Javascript, JSON, JQuery, XML, XPath and XSLT
- Consuming cross channel, SOAP-based web services using AXIS 2 framework, JAXB 2.0, JAXP and custom delegate framework for marshaling and unmarshalling Java objects

- Automating and designing unit tests by practicing Test Driven Development (TDD) in an Agile Software Development environment using JUnit, XMLUnit, and EasyMock libraries
- Performing code, integration, application security reviews using static analysis tools like PMD and HP Fortify source code analyzer
- Participating in development effort sizing, cost estimation, release planning, production environment setup, and production deployment meetings

SEI Investments, Oaks, PA

May 2011 – July 2012

Role: Senior Developer

- Created and consumed SOAP based Web Services to reuse and expose the underlying functionality in the stored procedures
- Integrated portlets with SOAP based web services
- Created and modified skins and themes for designing the portal layout, navigation and appearance
- Developed transaction management capabilities using EJB 3.0 framework and its annotations
- Implemented the data persistence functionality of the application by using EclipseLink's JPA 2.0 reference implementation to persist Java objects with the Oracle 11G database.
- Involved in using AspectJ and Spring AOP module for handling cross cutting concerns like transaction management and logging.

Tennessee Board of Regents, Nashville, TN

August 2009 – April 2011

Role: Software Developer

- Managed the user interface design team of Faculties Activities System and involved in gathering requirements for the web based system from TBR personnel and faculty members
- Involved in analysis and design phases. Participated in JADs for requirements gathering.
- Worked in implementation of MVC design paradigm of Spring framework, object relational mapping using Hibernate and Oracle database.
- Developed Action classes and DAO classes to for DB CRUD operations
- Worked on Spring DAO, Spring MVC and Spring AOP Interceptors in Logging and Auditing.
- Used Hibernate for object-relational mapping.

Hutchison Whampoa Group, Pune, India

May 2008 – July 2009

Role: Programmer / Analyst

- Developed applications using Java/J2EE platform and designed and implemented the front end components using Model View Control (MVC) design pattern
- Struts1.1 was used for actions, validations and to integrate various disparate components. HTML and JavaScript were used for web component implementation.
- Involved in developing the User Interface screens for clients using Struts, JSP, JSP Tag Libraries, HTML, XML, XSL and JavaScript.
- Responsible in configuring the struts-config.xml. For the various modules, developed Action Classes and created form beans, action mappings, tile definitions, validations using Dyna Validator and custom validation and wrote Java Scripts for retaining the form fields when validation is done for the Pages.
- Designed and developed the EJB Stateless Session beans which delegates the call to the Business layer.

Wipro Technologies, Pune, India

May 2007 – Apr 2008

Role: Programmer / Analyst

- Provide enterprise software engineering solutions for energy and natural resources vertical

- Worked on Spring DAO, Spring MVC and Spring AOP Interceptors in Logging and Auditing.
- Used Hibernate for object-relational mapping.
- Involved in analysis and design phases. Participated in JADs for requirements gathering.