

Skills

- Scrum Master
- Project Management
- Application Architecture
- Coding and Design
- System Design
- Cloud Development
- Microservices Architecture
- REST API Design

Agile Tools

- Jira
- AHA

Application Development

- Java 8
- Kafka
- Spring Boot
- API design using Swagger

CI/CD Tools

- GIT
- Jenkins & Jenkins Pipeline
- JMeter
- SonarQube
- Docker & Docker-Compose

Monitoring Tools

- Splunk
- AppDynamics
- Runscope

Databases

- Couchbase
- Oracle, MySQL, PostgreSQL

Work Experience

- **Tesco** | Aug 2019 – Till Date
Software Development Manager
- **GE** | Aug 2016 – July 2019
Staff Software Architect
- **IBM** | Sep 2010 - July 2016
Application Architect & Senior Java Developer
- **Capgemini** | Aug 2008 - Aug 2010
Java Developer
- **Hexaware Tech** | 2004 - July 2008
Java Developer

About Me

With over 16 years of relevant industry experience, I as Software Development Manager, manage and lead agile teams of software engineers with an end to end ownership of a product portfolio.

One of my key responsibilities is to be Customer centric and build and deliver Products for them by collaborating closely with Program Managers, Product Managers, Architects and Engineers. I work in the field of Application and System Design, Risk Management, Stakeholder Management, People Management, IT Architecture Governance and Core application Development.

As a Software Development Manager, I am responsible for technology vision and driving the execution of the vision that helps innovate and build the future of the product. I actively collaborate with Architects to design and build highly scalable, high-performance and high-available Products in Cloud and On-premise data centers.

Key Responsibilities

- Adopt a Customer centric approach and own design, development and delivery of Products that adds value to Business and aids in its growth.
- Lead the translation of business requirements and functional specifications into logical program designs, code modules, stable application systems, and software solutions in an Agile environment.
- I build a culture of innovative and high performing complex enterprise applications that are scalable, highly available, fault-tolerant and resilient in a distributed on-premise datacenter and Cloud platforms.
- As a People Manager, I take hiring decisions, and drive employee performance and annual appraisal. As Hiring Manager, I recruit highly competent talent from the market.
- I define infrastructure needs, internal vs. external cloud and use of enterprise solutions and drive resolution of technology roadblocks.
- I provide leadership to the team by hiring talented individuals. I set their goals and communicate clear expectations to them. I help the team grow by providing timely and constructive feedback and meaningful developmental opportunities.
- I partner with the leadership and Product Managers on key business and operational activities. I develop strong collaborative partnerships with key stakeholders and partners, including leading cross-functional task forces on major initiatives and represent the function in cross-functional teams.
- Have a strong focus on Engineering delivery, quality and practices with equal focus on hands-on writing production code and automating deployment capabilities.
- Collaborate and establish good stakeholder communication and work closely with Product Managers, Program Managers, Directors to plan Product's life cycle and roadmap.

Key Achievements

1. Certified as a Great People Manager by the Great Manager Institute for my efforts towards building a high trust and high performing team.
2. Scaled the design and architecture of the product and improved its throughput to process from 0.5 million to 65 million transactions per day.
3. Refactored and redesigned the earlier legacy monolithic application to Event Driven Microservice architecture that enables it to process 200 million transactions per day at its peak.
4. Scaled up operation to make our Product available from just 50 Tesco stores to over 3200 stores all over the UK.
5. Helped in scaling up the Engineering team by recruiting engineers and increased team size from 6 to 14 engineers.
6. Lead the design and setup of a new Data Center thereby enabling high-availability of the system by adopting a Active-Passive setup across the two data centers.
7. Lead and managed an agile team of full-stack developers to design a Hydro Power plant in GE thereby enabling GE's Sales team to bring down the estimation cost and sizing of turbines and generators from a week to a few minutes.
8. Lead a team of full stack Java engineers to Architect, Design and hands on implementation of Global HR performance evaluation tool used by over 250,000 users globally using Microservices architecture.
9. Automated CI/CD process of multiple applications thereby saving more than 1000 hours of man effort per year and helped clients save significant operation cost.
10. Reduced deployment time of 6 enterprise applications by 8 hrs/release and reduced Operation and Licence cost by identifying redundant Jenkin Server and decommissioning them to just 1 Server for a suite of HR applications.

Professional Experience as Software Development Manager (2019 - Till Date)

Software Development Manager | TESCO | Aug 2019 – Till Date

Core Technology Stack: Microservices Architecture, REST API using Spring Boot, Kafka, Couchbase, Oracle, Docker, Jenkins.

- **Project Management**

- Control project risks by analysing and identifying trigger events. Plan for contingency and plan ways to mitigate risks.
- Planning monthly, quarterly milestones that fits into the overall program plan.
- Collaborate with Product Managers and external dependent teams to resolve dependencies and impediments.
- Work closely with product and product managers to define short term and long term product goals and vision.
- Work with stakeholders to identify areas of improvement and propose plans to eliminate such gaps.

- **People Management**

- Define, discuss and agree on performance objectives of direct reportees.
- Drive 1 on 1 discussion with reportees to understand their career aspirations, resolve conflicts and give feedback.
- Conduct annual performance review and appraisal.
- Mentor and facilitate reportees in their career growth and promotions.

- **Technical Leadership**

- Closely collaborate with the Architects to define product architecture and design.
- Identify areas of automation. Eliminate manual interventions in code builds, deployments, functional & load tests.
- Responsible for the development, implementation, maintenance, support and scalability of robust, reliable and secure business and enterprise software solutions

Professional Experience as Architect (2013 - 2019)

1. Staff Software Architect | GE | Aug 2016 – July 2019

Core Technology Stack: Microservices Architecture, AWS, REST API using Spring Boot and PostgreSQL.

- Owned Product development, Architecture and Design of the products and owned its delivery.
- Defined, Architect, managed and delivered end-to-end technical solutions for products used by over 2,50,000 users.
- Worked closely with business and technical leadership to establish technological vision and roadmap.
- Estimate product development cost, development and delivery timelines and resource planning.
- Prime architect to implement DevOps principles in the team across all application
- Architected, designed and did a Proof-of-Concept of the various components of an application as a Microservice architecture using Netflix Eureka - for service Discovery, Netflix Hystrix - for Circuit breakers, Netflix Ribbon - for Client-Side Load Balancer and Netflix ZUUL - for intelligent request routing.

2. Application Architect | IBM | Dec 2013 - July 2016

Core Technology Stack: IBM provisioned on premise Private cloud, COTS packages, Java Stack, Spring Boot.

- Plan and define migration strategy to migrate 600+ applications from on-premise to IBM Private cloud.
- Provide detailed design on application virtualization, software-defined networking, network infrastructures, physical and virtual storage, data centre planning, backup and recovery strategy.
- Collaborate with the client and Vendor teams to prepare Project Detail Design document, migration plan and strategy.
- Document Architectural Decisions, risks and its mitigation plan and non-functional requirements.
- Design, implement and continuously improve complex backend systems.
- Lead best practice for clean and effective code, improve team technical level.
- Lead and influence technical direction and roadmap.

Summary of Professional Experience (2004 - Till Date)

Role	Organization	Year	Project	Technology Stack
Software Development Manager	Tesco	Aug 2019 - Till Date	Stock Services	Java, Spring Boot, REST, Kafka, Tesco Private Cloud, Couchbase
Architect	GE	Aug 2016 - July 2019	GE Digital & GE Power	Java, Spring Boot, REST, Kafka, Postgre, AWS, React
	IBM	Dec 2013 - July 2016	Bell Canada ABN AMRO Bank	Java, Spring Boot, REST, Kafka, MySQL, Oracle, IBM Private Cloud
Java Developer	IBM	Sept 2010 – Nov 2013	Multiple Projects in Telecommunication and Banking Domains	Java, Spring Boot, REST, Kafka, MySQL, Oracle
	Capgemini	Sept 2008 – Sept 2010	TeliaSonera, Finland	Java, Spring, Struts, Oracle.
	Hexaware Technologies	Nov 2004 – Aug 2008	Northern Trust, Lufthansa Systems	Java, Struts 1.2, JSP, Servlets, XML

Academics

Year	Exam	Description	University
2007	PGDBA	Post Graduate Diploma in Business Administration	Symbiosis Institute of Distance Learning, Pune.
2004	M.C.A	Masters in Computer Applications	West Bengal University of Technology, Kolkata.
2001	B.Sc.	B. Sc with Mathematics Honours.	Calcutta University, Kolkata
1996	I.S.C	Class XII	Council for Indian School Certificate Examinations, New Delhi.
1994	I.C.S.C	Class X	Council for Indian School Certificate Examinations, New Delhi