

## Skills

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

## Agile Tools

- Jira
- AHA

## Application Development

- Java
- Kafka
- Spring Boot
- Swagger

## DevOps CI/CD Tools

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

## Monitoring Tools

- Splunk
- AppDynamics
- Runscope

## Databases

- Couchbase
- Oracle, MySQL, PostgreSQL

## Work Experience (16+ years)

**Tesco:** Aug 2019 – Till Date  
**Software Development Manager**

**GE:** Aug 2016 – July 2019  
**Staff Software Architect**

**IBM:** Sep 2010 - Aug 2016  
**Application Architect**

**Capgemini:** Aug 2008 - Sep 2010  
**Consultant**

**Hexaware:** 2004 - Aug 2008  
**Software Engineer**

## About Me

As Software Development Manager I have a strong focus on Customer needs and their success. I closely collaborate with Business Leaders, Product Managers and Program Managers to bring value to our customers by building distributed systems that are resilient, have high throughput, are highly scalable, are highly performant and are highly available on Cloud.

I establish and sustain an environment for development to exist and succeed with a strong focus on innovation. I manage and lead agile teams of software engineers with an end to end ownership of product portfolio.

I prioritize, communicate and execute roadmaps, project plans, and commitments. I Work with engineers to define technical requirements and architect and execute best-in-class implementations in agile manner

I hire, mentor, retain and develop Engineers with a strong focus on their career growth. I build effective performing teams and put in place the right processes and practices to help the team continuously innovate and evolve.

## Key Responsibilities

- Work in the field of System Design, People Management, Risk Management with hands-on application design and coding.
- 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.
- Design distributed systems that are scalable, highly available, fault-tolerant and resilient for On-premise datacenter and Cloud platforms.
- As People Manager, I take hiring decisions, and drive employee performance and annual appraisal. As Hiring Manager, I hire, manage, mentor and grow a high performance team of Software Engineers along with managing an existing team in second line management.
- Have the Ability to take a project from initial scoping requirements to its launch and support of the project. Handle multiple competing priorities in a fast-paced environment.
- Work closely with Business leaders, Product Managers, Program Managers to plan Product's life cycle and roadmap. I develop strong collaborative partnerships with key stakeholders and 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 focus on writing hands-on code and automating CI/CD capabilities.

## Key Achievements

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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 90 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. Scaled up 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 an agile team of full-stack developers to design a highly resilient Microservice Application. It helped client to bring down the cost estimation and sizing process 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. Drive the automation of 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.

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

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### Software Development Manager | TESCO | Aug 2019 – Till Date

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

- **Project Management**
  - Control project risks. Analyse and identify trigger events. Plan for contingency and ways to mitigate risks.
  - Planning monthly, quarterly milestones that fits into the overall program plan.
  - Collaborate with Product Managers and external teams to resolve dependencies and impediments.
  - Work 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 plan their career path and resolve conflicts.
  - Conduct annual performance review and appraisal.
  - Mentor and facilitate reportees in their career growth and promotions.
  - Manage and hire engineers from our Vendor Partners.
- **Technical Leadership**
  - Closely collaborate with the Architects to define product architecture and design.
  - Identify areas of automation. Eliminate manual interventions in code builds, deployments and 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

**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.
- Design Systems 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

**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 client and Vendor teams to prepare Project Detail Design document, Cloud 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.

## Total Summary of All Professional Experience (2004 - Till Date)

Role	Organization	Year	Project	Technology Stack
Software Development Manager	Tesco	Aug 2019 - Till Date (2+ Years)	Stock Services	Java, REST API, Spring Boot, Kafka, Tesco Private Cloud, Couchbase
Architect	GE	Aug 2016 - July 2019 (3 Years)	GE Digital & GE Power	Java, Spring Boot, REST, Kafka, Postgre, AWS, React
	IBM	Dec 2013 - July 2016 (3 Years)	Bell Canada ABN AMRO Bank	Java, Spring Boot, REST, Kafka, MySQL, Oracle, IBM Cloud
Java Developer	IBM	Sept 2010 – Nov 2013 (3 Years)	Retail, Telecom and Banking.	Java, Spring Boot, REST, Kafka, MySQL, Oracle, IBM Cloud.
	Capgemini	Sept 2008 – Sept 2010 (2 Years)	TeliaSonera, Finland	Java, Struts, Oracle.
	Hexaware Technologies	Nov 2004 – Aug 2008 (4 Years)	Northern Trust, Lufthansa Systems	Java, Struts 1.2, JSP, Servlets

## Academics

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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