

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 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 - Aug 2016
Application Architect

Capgemini | Aug 2008 - Sep 2010
Consultant

Hexaware | 2004 - Aug 2008
Software Engineer

About Me

As Senior Engineering Manager I have a strong focus on Customer needs and their success. I closely collaborate with relevant stakeholders 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 and On-premise data centers..

As Software Development Manager 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.

One of my primary focuses is to hire, retain and develop Engineers. With a strong focus on their career growth, I build effective performing teams that consistently deliver quality products within the agreed upon timeframe. I put in place the right processes, practices and data gathering to help the team continuously innovate and evolve.

I closely work in the field of System Design, People Management, Risk Management with hands-on experience in application design and coding.

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 design 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 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 collaborate and establish good stakeholder communication and work closely with Product Managers, Program Managers, Directors 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 equal focus on hands-on writing production code and automating deployment capabilities.

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 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. 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.

Professional Experience as Manager (2019 - Till Date)

Senior Manager, Software Engineering | Lowes | Oct 2021 – Till Date

Core Technology Stack: Microservices Architecture, REST API, 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

Software Development Manager | TESCO | Aug 2019 – Sept 2021

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

As a Software Development Manager for Software Engineering, I had influence over the vision, features, and design of the critical systems and data used to drive the business. I lead and own all phases of the development lifecycle from gathering business requirements, design and modeling, development, deployment, and support. I provide engineering execution excellence, as well as technical vision and direction, to ensure the development team is aligned with the strategy of the company. I am responsible for all things people on my team – hiring and developing a high-performing team of software engineers.

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.

Professional Experience as Software Developer(2004 - 2012)

| Role | Organization | Year | Project | Technology Stack |
|----------------|-----------------------|-----------------------|--|---|
| Java Developer | IBM | Sept 2010 – Nov 2013 | Multiple Projects in Retail, Telecommunication and Banking Domains | Java, Spring Boot, REST API, SOAP, Kafka, MySQL, Oracle, IBM Private Cloud. |
| | Capgemini | Sept 2008 – Sept 2010 | TeliaSonera, Finland | Java, 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 |