

ROHIT KUMAR MODI

Principal Software Engineer



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OBJECTIVE

Targeting roles as a Principal Software Engineer or Software Architect in a challenging and cross-platform environment, leveraging extensive experience in building and maintaining distributed systems and software architectures.

EDUCATION

B.E. (CS & E) from PES College of Engineering (VTU) (2007).

CORE COMPETENCIES

- Distributed Systems Maintenance
- Software Architecture
- System Design
- Agile Methodologies
- Cross-Platform Development
- Performance Optimization
- Cloud Computing
- DevOps Practices
- Quality Assurance
- Technical Documentation

TECHNICAL SKILLS

- **Programming Languages:** Java, JavaScript, Kotlin
- **Database Packages:** Oracle, Toad, Gemfire, Redis, PostgreSQL
- **Framework:** Gradle, Junit, Maven, Ant, Struts, Spring, Hibernate, SpringBoot, Spring Security, Docker, Kubernetes. Google cloud platform
- **Web Technologies:** HTML, JavaScript, TypeScript, jQuery, rest, soap, React js, Redux, hooks
- **Servers:** WebLogic, Tomcat
- **IDE's:** Eclipse, IntelliJ Idea, vscode
- **Tools:** Rally, Jira, logz, Dynatrace, Rancher, SonarQube, Snyk, Jenkins, AI tool, jfrog

SOFT SKILLS

- Communicator
- Analytical
- Leader
- Attention to Detail
- Problem Solver

PERSONAL DETAILS

Languages: English, Hindi & Kannada
Address: Bangalore, Karnataka – 560103

PROFILE SUMMARY

- With nearly 14 years of experience in building, developing, and maintaining distributed systems and software architectures across various industries.
- Currently excelling as a Principal Software Engineer at Dell EMC Corporation, showcasing expertise in Java, Spring Boot, Microservices, and more.
- Proven track record of quickly learning new technologies and software tools, with exceptional communication and analytical skills.
- Proficient in Core Java, XML, Spring MVC, Hibernate, Spring Boot, Microservices, React js, JavaScript, Gemfire, Redis, Docker, Kubernetes, Webservices, and Google Cloud, Data structure and algorithms
- Displayed capability in system design, coding, and program development, with a keen eye for detail and quality.
- Recent achievement includes successful management of Dell Powerflex M&O application, supervising storage hardware management and orchestration.
- Skilled in Agile development methodologies, ensuring efficient project delivery and continuous improvement.

WORK EXPERIENCE

Dell Emc Corporation | Bangalore

Oct 2023 – Apr 2024

Principal Software Engineer

- Spearheading requirement gathering, system design and coding for Dell Powerflex M&O application.
- Led technically a team of developers, ensuring efficient coding and program development.
- Collaborating with stakeholders to enhance storage hardware management processes.
- Contributing to CI/CD pipeline configuration and deployment on VMware cloud.

Highlights:

- Enhanced storage device management, auto-scaling, and networking capabilities.
- Improved system performance by configuring CI/CD pipelines and cluster configuration.

DISH Network (India) Pvt. Ltd. | Bangalore

Nov 2019 – Aug 2023

Growth Path: Staff Software Engineer (Dec 2021)

Lead Engineer (Nov 2019)

- Led the development of the BEACON call center application, used by 15,000 agents across the USA.
- Designed and implemented multiple microservices for the application.
- Led technically a team of 5 developer in designing, coding and project delivery.
- Collaborated with stakeholders to prioritize customer requirements and feature development.
- Streamlined beacon application, resulting significant increase in efficiency.
- Implemented caching tool, enhanced application speed and responsiveness.
- Participated in cloud configuration as per the requirement such as IAM policies, GKE, cloud run Cloud builder, VPC configuration, compute engine, cloud CDN, cloud load balancer, cloud storage
- Participated in cloud configuration such as IAM policies, EKS, fargate, fluentbit, ELB, cloud watch etc. for a small project.

Lumen Technology (India) Pvt. Ltd. | Bangalore

Mar 2011 – Nov 2019

Growth Path: Subject Matter Expert (May 2018)

Module Lead (April 2015)

Senior Software development Engineer (April 2013)

Software development Engineer (March 2011)

- Managed the SWIFT Ordering and SDP_QOA telecom service delivery platforms.
- Led a team of 7 developers in system design, coding, and project delivery.
- Coordinated with cross-functional teams to ensure seamless service provisioning.
- Participated in designing and development of SDWAN, MOME, Port TN from scratch.
- Reduced service provisioning time through automation and code optimization.
- Developed and deployed enterprise service configuration tools, enhanced user experience.

Synchronoss Technology (India) Pvt. Ltd. | Bangalore

Nov 2009 – Feb 2011

Software Developer

- Contributed to the development of the TWC EStore online ordering platform.
- Collaborated with cross-functional teams to ensure timely product delivery.
- Conducted testing and deployment activities for online order processing.

KEY PROJECTS UNDERTAKEN

Dell Emc Corporation (Dell Technologies)

Project 1: Dell Powerflex (Management & Orchestration) (Oct 2023 – Apr 2024)

Team Size: 12 (offshore) + 8 (onshore), **Role:** Principal Software Engineer, **Development Methodology:** Agile

Technology Used: Java (11), Spring Boot, Microservices, webservices (rest, soap), Mockito, Docker, Kubernetes, VMware cloud, vSphere, Jenkins, helm chart, spring security, oauth, GitHub co-pilot, Golang

Project Description: Dell Powerflex M&O is a software application which is used to manage underlying storage hardware of Powerflex rack/appliance, with the help of M&O application we manage storage device, switches, ports, auto scaling, networking, OS settings, volumes etc.

DISH Network (India) Pvt. Ltd.

Project 1: Customer Application (BEACON) (Nov 2019 - Aug 2023)

Team Size: 5 (offshore) + 16 (onshore), **Role:** Staff Software Engineer, **Development Methodology:** Agile

Technology Used: Java (11, 17), Spring Boot, Microservices, webservices (rest, soap), GraphQL, react js, Redux, hooks, JavaScript, jest, Mockito, Gemfire, Redis, Docker, Kubernetes, Rancher, GCP, Dynatrace, Jenkins, logz, Kafka, spring security, saml, oauth, AI tool

Project Description: BEACON is a call center application which is used daily by 15000 call center executives to fulfil customer's demand. Beacon is a platform where user can buy/add/remove/modify TV channels/TV packs, buy on demand movies, sport shows, reality shows It also provides smart home product such as smart call bell, smart camera. Beacon application onboarded activation of phone number, port a number, providing data, call uses for Boost mobile customers.

Project 2: MMA (Metric Monitoring Analytics) (Mar 2023 - Jun 2023)

Team Size: 2, **Role:** Staff Software Engineer, **Development Methodology:** Agile

Technology Used: Java (17), Kotlin, React js, AWS, GraphQL, AI tool (Tabnine, DiffBlue)

Project Description: Metric Monitoring Analytics aka MMA application allows users to check their data uses, internet speed, latest feature dedicated to their connection, services, provided by Boost Mobile ISP. **Singlehandedly designed, developed, and deployed the entire software**, from Technology selection, development, CI/CD pipeline configuration to deployment.

Lumen Technology (India) Pvt. Ltd. (Formerly CenturyLink Technology)

Project 1: SWIFT Ordering (Ordering Application) (Feb 2019 - Nov 2019)

Team Size: 4+, **Role:** Subject Matter Expert (Module Lead), **Development Methodology:** Safe Agile

Technology Used: java (8), Spring Boot, microservices, webservices (SOAP, Rest), Hibernate, jsp, jQuery, Ajax, JavaScript, spring security, saml, oauth

Project Description: SWIFT is a new telecom service delivery platform which is implemented on latest technology, because of that delivery and accommodation of new product is fast to the market. This software reduces the time to provision the order, all the orders which launches to SWIFT go for auto-submission and auto provisioning.

Project 2: SDP_QOA (Service Delivery Platform-Quoting & Ordering Application) (Mar 2016 - Nov 2019)

Team Size: 10+, **Role:** Subject Matter Expert (Module Lead), **Development Methodology:** Safe Agile

Technology Used: java (8), Spring MVC, hibernate, jQuery, JavaScript, soap, rest, saml, oauth

Project Description: SDP is a long-term architecture that supports a new service delivery process. This delivery process focuses on shorter product development cycle times, flow through of data, and improved edits and validations. It involves the entire cycle of customer ordering a service and finally delivering the service through the entire process of quoting, ordering/billing, and provisioning. QOA acts as a starting point of the whole process and helps the customer to quote/order different set of services. The order is then flown to the downstream systems which process/validate the order and initiate the subsequent provisioning and final delivery of the actual service.

Project 3: QCCommon (Enterprise Service Configuration) (Mar 2011 - February 2016)

Team Size: 6+, **Role:** Senior Software Engineer, **Development Methodology:** Agile

Technology Used: Core java, jsp, Struts, jdbc, webservices (rest & soap) jQuery. JavaScript, HTML, CSS

Project Description: QCCommon provides a platform to configure services for the order which user creates, services configured as per the user demand such as product, brand, speed, flavour change, and establish mapping between the component and the services.

Synchronoss Technology (India) Pvt. Ltd.

Project 1: TWC (Time Warner Cables, USA) – Estore (Nov 2009 - Feb 2011)

Team Size: 6, **Role:** Software Developer, **Development Methodology:** Waterfall

Technology Used: Core java, XSLT, WebClient, Webservices, spring, oracle, JavaScript

Project Description: The objective of the project is to design and develop current suite of online transaction management product, through which user can place their orders online for electronic goods and can get those products at their residence address without delay.