

Technical & Engineering Manager | Cloud & Enterprise – Banking, Finance, Telecom & Media

Technical & Engineering Manager with over 15 years of leadership, management and engineering experience, strategizing and leading technical architecture and software development at a global scale.

- Extensive experience in aligning technical strategy with the company's objectives to reduce operational costs and improve engineering efficiency.
- Involved in conceptualizing, rationalizing, driving and delivering multiple product initiatives to enhance customer satisfaction and profitability.
- Steered efforts towards driving process and quality improvements and implementation of lean principles, CI/CD of code, applying agile delivery methodologies like Kanban and Scrum.
- Experience in leading cross-functional teams and in mentoring and training project managers, team leaders, software engineers and business analysts on sprint planning and organizing work. Demonstrated skills in effectively led large engineering teams in design and development of cloud native serverless and hybrid applications in the Telecom, Banking and Finance verticals using both IAAS, PAAS and hybrid architectural topology.
- Knowledge of AWS platform services and infrastructure including but not limited to microservices APIs hosted on AWS, native AWS services, Dynamo (NoSQL databases).

Licenses & Certifications:



PMI Agile Certified Practitioner (PMI – ACP)



AWS Certified Solutions Architect – Associate



Leadership and Management Certificate Program – Wharton Executive Education



Sun Certified Java Programmer for Java 1.4

EXPERIENCE

Technical Project Manager

DISNEY STREAMING SERVICES

Feb 2019 – Jan 2020

New York, NY

Disney Streaming Services provides a multi-tenant platform for its partners to authenticate and authorize users. The service seamlessly integrates with Disney and its partner streaming services to provide uninterrupted video experience to millions of customers. On an average 2mln+ authentication and authorization requests at any given time to traffic surges applying up to 50X load on the authentication platform. As part of the user services project, team worked on managing and enhancing the user experience for authentication services and maintaining the messaging applications used to communicate with the user.

- Managing project staff including project manager, technical architects, and onshore & offshore application developers.
- Strategic and architectural guidance to the development teams working on maintaining and managing the multi-tenant solution of authentication & authorization services for Disney's legacy partners.
- Periodic reporting to senior management and Disney's partners on project status and activity thus providing best experience from User Services suite of applications.
- Conceptualized and delivered the containerization of utility applications using Amazon EKS for faster deployment and support, ensuring platform and system stability.
- Led estimation exercises, weekly status reports and budget reports for better project visibility to higher management.
- Advising and mentoring the development teams to improve and streamline agile delivery practices.
- Continuous improvements in process and program flows to align with service requests
- Overseeing scrum meetings and prioritizing epics and user stories based on partner feedback.

Environment: AWS, Microservices, REST, EKS (Kubernetes), Docker, Data Analytics, CI/CD, Java, Python, Scala, MySQL, Dynamo DB, Open Id, OAuth 2.0

Technical Manager

FORTRESS INVESTMENT GROUP

July 2017 – Jan 2019

New York, NY

Fortress Investments private equity arm bootstrapped an idea of building an indoor golf club. A green field IT team was formed to build the technology stack from ground up to support all business functions for the company.

- Managed, designed and developed applications to support Drive Shack startup venture into Golf entertainment.
- Developed the scope baseline by engaging with all the stakeholders to identify and envision different phases of the tech stack development.
- Served as an active member of the account steering committee driving pursuit, strategic planning and new areas of business improvements with senior management
- Facilitated strategic and annual operations planning with the accounts team to drive the firm on tight budgets.
- Prepared communication plans and project release schedules based on baseline reports.
- Defined the scope of the application and provided high level design using cloud technologies.
- Led the discovery team in identifying the ideal payment gateways and led the effort in integration with Freedom Pay, Offer Craft and InfoGenesis to support credit payments and coupons.
- Developed detailed cloud-based architecture for the system utilizing Amazon Web Services (AWS) extensively.
- Managed offshore vendor teams and provided technological guidance from time to time.
- Managed stakeholder communication by providing financial, marketing and operational reports at every phase of the project.

Environment: AWS IaaS, AWS Lambda, REST, Microservices, Java, Spring Framework, Ruby, Integration to Freedom Pay, Offer Craft and InfoGenesis, Docker, MySQL, AWS Aurora, AWS Quick Sight, Data Analytics

Senior Consultant

AT&T

July 2013 – June 2017

Redmond, WA

AT&T Developer Program was designed and developed to host vast number of APIs such as Speech to Text, Text to Speech, SMS communication, IOT etc. These API's were built to be utilized by user hosted applications on AT&T marketplace (similar to Google Play, Apple Appstore).

- Designed and developed API platforms for app authentication and hosting using Ruby & Rails.
- Developed Restful API to implement communication between developer platform, provisioning platform, monitoring platform and AT&T content management systems.
- Refactored the advertising and WebRTC API functionalities.
- Configured Nginx + Passenger in many Linux Environments and supported the application in many environments.
- Restructured and enhanced the data analytics to improve the platform performance.
- Guided the team in installing Apache Service Mix, which is the core for all the communication between AT&T applications.
- Learned Groovy and Grails on the job to work on requirements related to Admin Systems.
- Applied agile methodologies and delivered business functionalities in time along with restructuring the applications.
- Maintained application in GIT, reviewed pull requests and published releases.

Environment: Ruby, Rails, REST, SOAP, Apache Service Mix, Java and J2EE, Spring Framework, ATG, Apache Tomcat, Oracle, MySQL, Cucumber, Nginx, Data Analytics, GIT, Splunk

Project Lead
BANK OF AMERICA

Jan 2012 – May 2013
Seattle, WA

Bank of America retail banking website was built on a monolith architecture. As part of an architecture improvement program, the website suite was decided to be broken down into individual modules. As part of this project, the credit card and mortgage services module were migrated into self-sufficient modules and integrated with other parts of account services.

- Designed, developed and migrated Bank of America legacy Credit Card and Home Loans projects built on Java and J2EE Technologies.
- Migrated legacy Java application to a well-designed architectural framework using Spring Suite.
- Consumed data from mainframe databases through web service API using SOAP.
- Created Restful Services to provide application data.
- Followed both waterfall and agile methodologies depending on the requirements.
- Estimated requirements using WBS Approach
- Supported testing in multiple environments through different phases of the life cycle.
- Deployed and released changes on a predefined schedule and ensured no defects exist in production.

Environment: Java and J2EE, Spring Framework, Hibernate, Oracle, REST, SOAP, WebSphere App Server

Senior Consultant
HSBC, INFRONICS

June 2009 – Oct 2011
London, United Kingdom

HSBC, one of the world's largest banking and financial services organizations, then used Calypso software for front office, middle and back office operations in its London FX trading division. This project was designed and developed to capture the existing functionality of version 11.0 and replay it with version 12.0 to study the differences and impacts on the trades.

Infronics was a service-based startup company which specialized in asset management systems. A web-based application was built which would manage and maintain all the physical assets of the company for easy track and trace.

- Designed and developed application which interacts with any front office or middle office calypso system, consuming the request and send processed responses through JMS
- Tested and released changes in multiple environments such as Unix and Linux and handled prod rollouts
- Demoed product to multiple clients and explained the usage of the application
- Actively involved in developing functionalities within Calypso, a back office and middle office tool built in Java Technologies.
- Designed and developed an in-house web application to manage assets
- Used predictive approach in both the projects

Environment: Java, JSP, Servlets, EJB 3.0, JMS, Hibernate, JBoss, Google web toolkit (GWT), Calypso version 11.1 and 12, Murex, Oracle, Linux, Unix, Spring MVC

Senior Software Engineer

CITI through HCL Technologies

*June 2007 – Mar 2009
Hong Kong & Bangalore, India*

CITI is a global Investment Bank and Financial Services. Citi's equity division was built on legacy systems. It used CMS protocols to communicate and process trades through and from Exchanges like NYSE, HSE and London Stock Exchange. Since Exchanges were no longer supporting legacy protocols, Citi planned to develop applications using FIX 4.0 protocol. This project was to build brand new system for validating and sending trades to Stock Exchanges and communicating the response back to Order management systems (OMS).

- Analyzed legacy systems built on C and C++ and redesigned application to a messaging platform with latest technologies using Java, Spring framework, JMS and FIX 4.0
- Designed and developed round robin algorithm to handle trade requests with HKSE token management.
- Managed team in Hong Kong and handled project communication with key stakeholders.
- Deployed and actively transitioned traffic to HK Stock Exchange through newly built application.
- Gathered requirements for New York Stock Exchange (NYSE) and enhanced app to meet the requirements.
- Managed project communication with NYSE and CITI Order Management Systems (OMS).
- Confidence and ability to communicate openly with both the business community and IT teams.
- Working under pressure, demonstrated the ability to approach problems in a logical manner being able to respond to difficult situations efficiently and effectively.
- Have been the SQA for the project and actively taken audits and maintained a good PQI Score. Taken the ISO Audit and prepared the project for CMMI Audit.

Environment: Java, JMS, JMX, Spring Framework, FIX, Sybase, Unix

Software Engineer

RBS, ABNAMRO, FIRMENICH through Infosys Technologies

*Jun 2005 – June 2007
Bangalore, India*

Royal Bank of Scotland (RBS) for a short period was the biggest bank in the world by assets. During the timeframe of the project, RBS was acquiring other banks and partnering with a few. It wanted a portal to be built to maintain the partners list and the agreements they have agreed upon.

ABN AMRO bank was primarily focused on Northwest Europe. It was enhancing its customer base by providing online portal for private and corporate banking. It was a greenfield project built with then latest technologies.

Firmenich is a Fragrances and Flavors company founded in Switzerland. It has built its software in Oracle forms and reports to support various part of the company. One of which being the manufacturing division which was thriving for an upgrade to meet ongoing demands of Fragrance market.

- Built project team of 50 including technical and non-technical resources to deliver RBS project. Coached and trained team on core technologies and domain knowledge required to develop the project.
- Designed a suitable seating arrangement for the developers for a better osmatic communication and productivity
- Reviewed Code, Unit Test Plans and Unit Test Results prepared by the team Reviewed the Unit Test Plans
- Released resources during Project closure and transitioned project to support team after successful System Testing.
- Ability to deliver huge project with zero defects
- Understanding the architecture and workings of Maintenance Projects in predictive model
- Identifying the gaps in existing software vs the latest version in market

Environment: Java, Struts, JSP, Servlet, Java Beans, Mainframes, XML, XSLT, EJB, Oracle DB, Forms & Reports version 6.0

EDUCATION:

- Bachelor of Technology (Honors) (BS) in Electronics and Communications Engineering, Aug 1999 – May 2003

PROFICIENCIES:

Cloud Hosting/Management:	Amazon Web Services (AWS), Google Cloud Services (GCP)
Analytics:	Conviva, Kibana, Google Analytics, Amazon Kinesis
Monitoring Applications:	AWS CloudWatch, Kibana, Splunk, Prometheus, Grafana

Programming Languages:	Java, J2EE, Ruby, Python, PHP, Node
Programming Frameworks:	Spring, Rails, Django
Databases:	MySQL, Postgre SQL, Oracle, AWS DynamoDB, MongoDB
SOA Implementations:	SOAP, REST API, Microservices
Messaging:	Apache Kafka, Apache ActiveMQ, AWS SQS
In-Memory Caching:	Hazelcast, Memcached
Identity:	Oauth2, OpenID Connect
Frontend Web Development:	Angular, React, HTML5

Scripting Languages:	Bash, K Shell
Testing Frameworks:	JUnit, Log4j, FitNessee, Cucumber, Apache JMeter, Selenium
Build & Deployment:	AWS Code Build & Deploy, Docker, Maven, Ant
Continuous Integration:	Cruise Control, Hudson, and Jenkins
Code Coverage:	Sonar, Cobertura, Eclemma
Configuration Management:	Clear Case, VSS, CVS, Perforce

Project Methodologies:	Waterfall, Agile
Project/Task Management:	MS Project, JIRA, CA Agile Central
Collaboration & Productivity:	Confluence, G Suite, Slack, Zoom