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Solution Architect




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## CAREER SUMMARY

Working as Senior Manager at Finastra Technologies, Pune since 2020 with 4+ years of experience in developing cloud native microservices for Corporate Banking domain. Before Finastra worked as Manager at SmartStream Technologies, Mumbai from 2006 with over 14+ years of experience with solution development in BFSI domain. Before SmartStream, worked at Exceed Consultancy Services as Software Engineer cum Build/Release Engineer. Around 2.5 years of experience in developing productivity tools and reporting tools.

## WORK EXPERIENCE

Senior Manager Development Operations

2020 - Present

Finastra

Responsible for managing development operations of new microservices as part of Cash Management modernization journey. One of the key responsibility is to ensure high quality development with very stringent compliances of Security, Code quality, Code coverage, Test automation and Disaster Recovery tests. Experience in developing and managing Multi-Factor Authenticator (MFM), Cross-Currency Network (CCN) and Virtual Account Manager (VAM). Also, responsible to promote these microservices on Fusion Operate, which is managed hosted environment on Azure cloud.

**Achievements:**

- Currently working on Liquidity Management Solution that comprises of Liquidity UI, Liquidity service, Balance service and Cashflow forecast (CFF) service
- Along side managing previously built Multi-Factor Management (MFM), Cross Currency Network (CCN) and Virtaul Account Manager (VAM)
- Regular review of technical design and code changes
- For each microservices, responsible to ensure rating 'A' in SONAR quality gates
- Perform regular security scans using tools like Checkmarx, Whitesource, Burp, etc. and ensure zero Critical, High and Medium vulnerabilities
- Actively involved in performance tests and performance tuning for OpenAPI to meet NFR
- Active participation in working prototypes and arranging for relevant demo
- Close coordination with Principal Architect to review new technical solution
- Managed a team of 20+ personnel including FTE and Contract resources
- Arranged for multiple interview drives in close coordination with HR
- Active participation in weekly and monthly reporting to senior management
- Active participation in quarterly Program Increment (PI) planning and interim Sprint planning
- Conducted regular sprint retrospective and rollout agreed process changes wherever required
- Used Azure DevOps deployment pipeline to promote microservices through stages Dev, Perf, UAT and Production
- Used Azure DevOps deployment pipeline to conduct regular disaster recovery tests

**Technologies used:**

Jupyter Notebook

Azure cloud

Azure DevOps

Github Actions

Docker

Kubernetes

Angular

Figma

Adobe XD

Material Design

Finastra Design System

Visual Source Code

NPM and Nodejs

Markdown and Mermaid

AppDynamics

Grafana & Prometheus

Checkmarx

Mend (formerly Whitesource)

Burp Suite

Java/J2EE

ActiveMQ

IBM MQ

Oracle DB

Postgresql

Liquibase

Mybatis

SpringBoot

Camel

POI

JMS

JMX

OpenAPI / Swagger

Java11

Java17

Gradle

Ant

Manager | Project Lead | Team Lead | Software Engineer

2006 - 2020

SmartStream

Responsible for adapting client requirements to technical requirements in order to develop an appropriate solution for the customer. Responsibilities include analyzing process flows, consulting with clients, preparing design documents, taking part in project meetings, and supporting pre-sales staff. Extensive experience in development of Reference Data Utility (RDU) and Fees and Expense Management solutions (FEMS)

**Achievements:**

- Recognized as subject matter expert for TLM Transaction Fees and Invoice Management solution (TFIM) with-in FEMS business unit
- Contributed on daily basis towards Full Managed Services offering of TFIM On-Demand
- Contributed on weekly basis towards Application Support of TFIM On-Premise client
- Worked with clients post-implementation on user testing, debugging, support and maintenance
- Co-ordinated project planning, resource allocation, scope, schedule, status and documentation
- Conducted technical workshops and education sessions for customers, development, testing and dev-ops teams
- Managed team of 10 personnel focused on implementing resolutions and updates
- Collaborated closely with upper management to drive strategy through development and implementation of new processes
- Recommended architectural improvements, design solutions and integration solutions
- Improved development quality by implementing use of productivity tools like JIRA, Confluence, Bamboo, Jenkins, Sonar, BitBucket, Pull-request reviews, etc.
- Worked with quality assurance team to set up scripts, test case and automation protocols
- Development team re-presentative during SOC2 Type-II compliance audit
- Contributed in many TLM solutions - a) Transaction Fees and Invoice Management, b) Morpheus, c) Exception Management, c) Corporate Action Services and d) Reference Data Utilities (RDU)
- Gain expertise in a) Troubleshoot of performance issues, b) Enterprise Integrations and c) User Interface development

**Technologies used:**

Java/J2EE

ActiveMQ

Oracle DB

MySQL DB

Rackspace

AWS

PL/SQL

SpringBoot

Camel

PDFBox

POI

JAXB

JMS

JMX

RMI

REST

JBoss

WAS

WebLogic

Drools

MVEL

SmartClient/SmartGWT

RAP/RCP

JQuery

OSGi

Fuse / ServiceMix

Software Engineer cum Build Release Engineer

2004 - 2006

Exceed Consultancy Services

Responsible for contributing to product development as Java developer and managing processes around build / release. Contributed towards production support after gaining expertise on relevant products.

**Achievements**

- Provided application support for Actuate Formula One e-Reporting application
- Contributed in development of many productivity tools - a) Functional Test, b) Load Test, c) Java Profile and d) Agentless Monitor
- Migration of Java Swing UI to Eclipse SWT UI
- Gain expertise in developing COM/DCOM for establishing communication between Java application and Internet Explorer in-order to record/replay tests
- Gain experience of java bytecode manipulation using JVMPi and JVMTi
- Gain experience of installers - a) InstallAnywhere and b) Install4J
- Coordinated scheduled releases and updates

**Technologies used:**

Swing

SWT

PDE

VC++

JNI

Unix

MacOSX

HTML

JavaScript

CSS

Tomcat

HSQL

## PERSONAL PROJECTS

Statements Manager

Open Source

https://github.com/Jayeshecs/statements

Primary objective of this project was to facilitate personal finance management. Ease of uploading bank account statement via plug-in architecture. Secondary objective was to evaluate Apache Causeway framework and try DeepLearning4j framework for automatic categorization of transactions.

**Achievements:**

- Moduler project structure
- Add-on support for custom statement reader
- Inbuilt support for HDFC Bank, Kotak Bank, PayTM
- Specialized screens to manage transaction, manage static data and manage statement reader
- REST API
- Desktop Launcher
- Integration: Github + Travis CI + ReadTheDocs

**Technologies used:**

Java 17

Apache Causeway

SWT

HSQldb

PdfBox

MVEL

DL4J

Apache Shiro

Maven

## SKILLS & TOOLS

Domain

Corporate Banking

Account Payables and Receivables

Investment Banking

Productivity Tools

Project Management

Aha! Roadmap Software

Portfolio for JIRA

Microsoft Office 365

Microsoft Teams

Agile and Scrum

Artificial Intelligence

Bing Chat & Prompt Engineering

Azure OpenAI Services

Jupyter Notebook

Deeplearning4j

Cloud Technologies

Azure DevOps CI/CD & Github Actions

Cloud Shell (Google & AWS)

Azure Postgres PaaS

Azure Monitor

Azure Artifactory

Azure Bitbucket

AWS console

AWS EC2 and S3

AWS Domain & SSL

Frontend

Angular & Material design

JQuery / SmartClient

GWT / SmartGWT

Bootstrap 4 & 5

Swing / SWT

TLM™ SmartStudio

Apache Causeway Viewer

Backend

Spring / Camel / ServiceMix

Hibernate / Datanucleus / MyBatis

Spark / Hadoop

DeepLearning4j

TLM™ Control

Apache Causeway Domain Services

Oracle/MySQL/Neo4j

Mobile

Android Studio

Firebase

Others

Generative AI

DevOps

Code Review

Git

Ofbiz & Scipio

Unit Testing

Agile

JIRA

Wiki

CI

AWS

Blockchain

Eclipse & VSCode

Drools / MVEL

## EDUCATION

PGD in Software Technology

C-DAC (formerly NCST)

2003 - 2004

B.Sc. Physics

Mumbai University

2001 - 2003

## LANGUAGE

English (Professional)

Hindi (Professional)

Gujarati (Native)

Marathi (Native)

## INTERESTS

Movies, Shows and Shonens

Travelling

Reading

Cricket and Football