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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

Finastra

2020 - Present

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

SmartStream

2006 - 2020

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

Exceed Consultancy Services

2004 - 2006

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

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

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

Artificial Intelligence

Bing Chat & Prompt Engineering
Azure OpenAI Services
Jupyter Notebook
Deeplearning4j

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

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