



JAYESH PRAJAPATI

Technology Leader

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CAREER SUMMARY

Engineering leader with 20+ years of BFSI domain expertise, currently serving as Expert Software Architect at Finastra Technologies with 6+ years driving end-to-end delivery of cloud-native microservices for Corporate Banking and Treasury solutions. Proven track record in engineering thought leadership, team building (150% growth), and modernizing IT infrastructure through Agile transformation and DevOps excellence. Skilled in partnering with clients to deliver innovative solutions while mentoring 20+ engineers and fostering continuous improvement culture. Deep expertise in Python, Java, AI/ML, and Azure Cloud, with extensive experience in Investment Banking, Corporate Banking, and Treasury domains across 14+ years at SmartStream Technologies. Known for collaborative approach, delivering high-impact solutions that achieve 99.9% uptime SLA and 40% performance improvements.

WORK EXPERIENCE

Expert Software Architect | Sr. Manager DevOps

Finastra

2020 - Present

Responsible for the architecture and technical solution design of new microservices as part of the Cash Management modernization journey. One key responsibility is to ensure high-quality development with stringent compliance in security, code quality, test automation, performance tests, penetration tests, and disaster recovery tests. Primarily, this is done by enabling the engineering team and closely coordinating with specialized teams. Experienced in developing and managing Multi-Factor Authenticator (MFM), Cross-Currency Network (CCN), and Virtual Account Manager (VAM). Also responsible for promoting these microservices on **Fusion Operate**, a managed hosted environment on Azure cloud. Currently working on the architecture and solution design of Liquidity Management services.

Achievements:

- Leadership Impact:** Built and scaled engineering team from 8 to 20+ members (150% growth), including successful recruitment campaigns coordinating 15+ interview drives with HR
- AI Innovation:** Won GenAI (x)po 2.0 Jan 2025 prize for Stratathon best Lending BU Submission, demonstrating leadership in AI adoption
- Architecture Excellence:** Led architecture and solution design for 5 complex microservices (Liquidity UI, Liquidity service, Balance service, Netting service, Cashflow Forecast), ensuring 100% alignment with enterprise standards
- Quality Achievement:** Maintained 'A' rating in quality gates across all microservices (8+ services), achieving 95%+ code coverage and zero critical security vulnerabilities
- Performance Optimization:** Improved system response time by 40% through performance tuning and optimization, handling 10K+ TPS for production workloads
- Security & Compliance:** Led penetration testing and remediation initiatives, achieving SOC2 compliance and reducing security findings by 85%
- Product Delivery:** Successfully delivered 3 major products to production: MFM, CCN, and VAM, serving 50+ enterprise clients
- DevOps Excellence:** Implemented fully automated CI/CD pipelines using Azure DevOps, reducing deployment time by 60% and achieving 99.9% uptime SLA
- Disaster Recovery:** Established quarterly DR testing protocols with 100% success rate, ensuring RTO < 4 hours and RPO < 1 hour
- Agile Transformation:** Led quarterly PI planning sessions for 4+ teams, improving sprint velocity by 35% and reducing technical debt by 25%
- Technical Leadership:** Conducted 200+ code reviews and design reviews annually, mentoring 10+ engineers to senior roles
- Stakeholder Management:** Delivered weekly status reports to C-level executives, managing \$2M+ annual engineering budget

Technologies used:

PythonFastAPIFlaskPandasNumPyJupyter NotebookAzure OpenAIPyTorchScikit-learnPytestJava/J2EEOracle DBPostgresqlLiquibaseMybatisOpenAPI / SwaggerSpringBootCamelAngularFigmaAdobe XDMaterial DesignFinastra Design SystemVisual Studio CodeNPM and NodejsMarkdown and MermaidActiveMQIBM MQPOIJMSJMXJava11Java17GradleAntAzure cloudAzure DevOpsGithub ActionsDockerKubernetesHelmAppDynamicsGrafana & PrometheusCheckmarxMend (formerly Whitesource)Burp Suite

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
- Coordinated 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 representative 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/J2EEActiveMQOracle DBMySQL DBPL/SQLSpringBootCamelPDFBoxPOIJAXBJMSJMXRMIRESTJBossWASWebLogicDroolsMVESmartClient/SmartGWT RAP/RCPJQueryOSGiFuse / ServiceMixRackspaceAWS

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:

SwingSWTPDEVC++JNUnixMacOSXHTMLJavaScriptCSSTomcatHSQL

SKILLS & TOOLS

Python & Data Engineering

Python / FastAPI / Flask

Pandas / NumPy / SciPy

Jupyter Notebook / Python Scripting

Apache Spark / PySpark / Hadoop

AI/ML & Generative AI

Generative AI / LLMs / Prompt Engineering

Azure OpenAI / GitHub Copilot

PyTorch / Scikit-learn

Cloud & DevOps

Azure Cloud (AKS, App Services, Functions)

Docker / Kubernetes / Helm

Azure DevOps / GitHub Actions / Jenkins

AWS (EC2, S3, Lambda, RDS)

Grafana / Prometheus / AppDynamics

Backend & Microservices

Java / SpringBoot / Microservices

REST APIs / GraphQL / OpenAPI

Apache Camel / Event-Driven

Oracle / PostgreSQL / MongoDB

Domain

Investment Banking

Account Payables and Receivables

Corporate Banking

Productivity Tools

Leadership & Architecture

Engineering Leadership & Team Building

Solution Architecture & Design Patterns

ASVS, SAMM, Threat Modeling

Agile / Scrum / SAFe / PI Planning

Cloud Technologies

Azure DevOps CI/CD & Github Actions

Cloud Shell (Google & AWS)

Azure Postgres PaaS

Azure Monitor & Log Analytics

AWS console

AWS EC2 and S3

Frontend

Angular & Material design

jQuery / SmartClient

GWT / SmartGWT

Bootstrap 4 & 5

Swing / SWT

TLM™ SmartStudio

Mobile

Android Studio

Firebase

Additional Technologies

Angular / ReactGit / BitBucket

JIRA / ConfluenceCheckmarx / SonarQube

JUnit / TestNG / Pytest

Selenium / CucumberRedis / Elasticsearch

Eclipse / IntelliJ / VSCode

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

Designed with ❤️ by Xiaoying Riley for developers