



Arpit Tripathi

Software Engineer

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Profile Summary

- A **professional Software Developer** with more than **5 years of experience** as a **Java Backend/Full Stack Developer**.
- Software development using industry wide best practices like **Test Driven Development (TDD)**, **SOLID principles**, **Object Oriented Design (OOD)**, **Design Patterns**, **Agile Development Methodologies**, **Clean Code approach** and **Scrums**.
- Experience with **building and delivering code for multi-branched, multi-module web application to production environment** having CI/CD, Gated Deployment with Quality Check stages (SIT and UAT) in **matrixed organizations**.
- **Ability to own multiple streams of work and deliver in a timely fashion** while working in self-organizing and **cross-functional globally dispersed teams** using **lean development**.

Skills



Work Experience

- | | | |
|---|-------------------------------------|-----------------------------|
| • Siemens Industry Software Limited (SISW) | Software Engineer | Sept 2019 – Present |
| • TIAA GBS | Analyst (Software Developer) | May 2018 - Sept 2019 |
| • Cognizant Technology Solutions | Programmer Analyst | Aug 2015 - May 2018 |

Projects

PCBflow

A B2B multi-tenant platform to significantly reduce the cost and time-to-market for Designer DFMs from months to days by bringing the manufacturing risk assessment tool to cloud along with support for on-premise clients.

Responsibilities

- Drafting design proposals for reviews by team leads and architects, including technical specifications where appropriate.
- Developing multi-tenant user authorization and authentication management microservice using Auth0 and OpenApi.
- Actively participate in Scrum Meetings to track progress and mitigate impediments on daily basis.

Tech Stack: AWS, SpringBoot, Auth0, OpenApi, Angular, Mockito, SwaggerCodeGen, API first approach

IA (Immediate Annuities) and ITD (Income Test Drive)

Replacing manual application submission process with IA Request Capturing System for lifetime income options. Also introduced a new product, ITD, offering participants a beforehand experience of lifetime income options for upto 2 years.

Responsibilities

- Developing IA Request Capturing event driven microservice using Apache Kafka distributed event streaming platform.
- Reduced application submission process time from 2-3 weeks to few days providing better customer experience.
- Enhancing existing system in order to support the new product, ITD, and celebrate first 100 product users in prod.

Technology Stack: SpringBoot, Apache Kafka, Angular, Scaled Agile, Git, OIPA, SOAP API, REST API, Gradle, Event Driven

ACARS (Aircraft Communication Addressing and Reporting System)

A Digital datalink system critical for real-time monitoring, reporting and transmission of short messages between aircraft and ground stations via airband radio or satellite for flight status and position.

Responsibilities

- Developing Ground Processing System for creating uplink messages after customized processing of downlink messages.
- Replatforming the existing mainframe system to scalable and reliable microservices architecture.
- Partnering with stakeholders to understand and document various types of messages such as OOOI events, flight plans, weather information, equipment health, status of connecting flights, etc.

Technology Stack: SpringBoot, Microservices, Angular, ActiveMQ, NoSQL, CouchbaseDB, Gradle

Warehouse Management System

Java EE application to control and optimize the movement, storage and billing of materials based on real-time information within a warehouse and processes the associated supply chain transactions like receiving, put-away, picking and shipping etc. involving the physical warehouse infrastructure, tracking systems, and communication between product stations.

Responsibilities

- Understanding Business Requirements and Designing new modules/functionality to meet those needs.
- Performing Impact Analysis and rendering change requests along with estimating the required efforts.
- Diagnosis and resolving defects found during Regression testing, SIT, QA, UAT and Production following minor releases.

Technology Stack: Spring Framework, Maven, Monolithic Architecture, DB2, IBM WebSphere App Server, tomcat

Recognitions in Organization

- Rain Maker (2017) - *for achieving excellent results.*
- Diamond in the Rough (2016) – *for contribution, competency and enthusiastic efforts.*

Educational Qualification

Bachelor's Degree	SGSITS (Electronics & Telecommunication)	Indore, MP (India)	2015	7.98 (CGPA)
Higher Secondary	Kendriya Vidyalaya No.1	Bhopal, MP (India)	2010	81.4%
High School	Kendriya Vidyalaya No.1	Bhopal, MP (India)	2008	83.2%