

Avi Kalra

Software engineer with 8 years of industry experience working in agile teams with expertise in Java, Angular, SQL and Spring Boot and skilled in Dev Ops tooling including GIT, Jenkins, Jira and Confluence.

Work History

2024-05 - Current	Technical Lead <i>Incedo Inc, Gurgaon, India</i>
2021-12 - 2024-04	Consultant Specialist <i>HSBC, Pune</i>
2020-04 - 2021-11	Senior Software Engineer <i>HSBC, Pune</i>
2016-06 - 2020-03	Software Engineer <i>HSBC, Pune</i>

Education

2012-08 - 2016-06	B.E: Computer Science Engineering <i>PEC University of Technology - Chandigarh</i>
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Projects

Document Management Automation

Worked on automation of document management system for a US based Wealth Management client. The process involved receiving a file via an MFT, processing the documents via OCR. and updating a file repository in the appropriate cabinets. I worked as the sole contributor the project, handling everything from development, Infra (Azure Cloud) and DevOps Tooling.

Business Process Workflows

Led and contributed in a team of 6 people in developing a platform where all the workflows



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Websites, Portfolios, Profiles

- <https://www.linkedin.com/in/avi-singh19/>

Skills

Java

Spring boot

Angular

SQL

Kubernetes

related to various business process management are managed which previously used to be all manually managed. I contributed in the design and architecture of the application and also actively contributed as a full stack developer.

Service Migration to Cloud

Worked on migration of applications and services from on-premise servers to AWS cloud providing major cost saving to the bank and also improving the service resiliency and availability.

Contributed to setting up the infrastructure on AWS cloud using Terraform IaC to set up services including EC2, RDS, Route53, Secrets Manager, S3, SNS Topics, Cloudwatch.

Contributed to migration of a Spring Boot-based API service from on-premise server to cloud-based Kubernetes (EKS).

Portfolio View

Portfolio View is a tool used by bank front office to view the entire portfolio, financial activity and documentation related to the client.

Worked on enhancements to the application and the related Spring Batch-based batch processes which are responsible for the flow of data from various sources to the appropriate database tables for the application to consume.

Call Reporting Tool

Worked on creation of a web application for relationship managers and investment counselors to capture visitation details and other reports related to client activity in compliance with US regulations. Contributed as a full-stack developer working on Angular 9, Spring Boot APIs and JDBC.

Payments Workflow

Worked on digitalizing the previously manual workflow process of creating wire payment requests. Implemented straight-through capability for sending payments to SWIFT network from the workflow itself which eliminated manual intervention and reduced the turnaround time of settling payments from 1 hour to few seconds saving the back-office team 3

Spring Batch

Unix

AWS

Azure

ReactJS

Python

Azure

NodeJS

FTEs worth of effort.

Contributed to this project in developing workflows within Appway BPM tool and creation of Spring Boot-based APIs for backend services.

Risk Profiling Tool

Developed a web-based tool used by investment counselors which captures clients' risk-taking appetite and feeds the captured data to an investment advisory tool.

Contributed to this project as a full-stack developer working on ReactJS-based libraries on front end and development of Spring Boot APIs for backend.

Sales Management Tool

Contributed to development of a web-based tool to help relationship managers of the bank track and follow up sales deals with potential and existing customers.

Worked as a full-stack engineer for this project using Angular 4 for front end and Spring MVC, JDBC-based back end.