Sumit Kumar Singh

Senior Software Consultant | Bank Julius Baer

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PROFILE

With over eight years of software engineering experience, I work on ultra-low-latency, high-throughput pricing and order execution systems for equities, forex and structured products. Earlier in my career, I worked on FATCA and AEOI regulatory reporting and migrated complex KYC workflows from TIBCO BPMN to Flowable BPMN.

Using Java 17-23, Spring Boot and Spring Batch, I design microservices, REST APIs and batch processing systems. My trading systems experience spans concurrent programming, JVM internals and memory management, as well as RFQ workflows, order execution and FIX protocol integration with third-party banks.

EXPERIENCE

Senior Software Consultant

Oct 2025 - Present

Julius Baer (Contract), GPS | Singapore

- Drove a ~70% reduction in production incidents across pricing and booking services through proactive issue management, root-cause analysis and stronger monitoring.
- Led production support across multiple products, coordinating engineering, support and business teams to resolve critical incidents.
- Strengthened observability through Grafana dashboards, improved logging and alerting.
- Contributed to technical hiring and onboarding.
- Contributed to migrating project repositories from Bitbucket to GitLab.

SKILLS & TOOLS

Java | Sprint Boot | Flowable | Tibco Streambase | HLD | LLD | Docker | K8 | Teamcity | Octo | GitLab CI/CD | Production support | Grafana | Team leadership

Senior Full-Stack Developer

Feb 2023 - Oct 2025

CACIB (Contract), REI | Singapore

- Designed and delivered a Kafka-driven batch application that consumes event data, retrieves corresponding files from AWS based on each event payload and updates the relevant database entities.
- Led the proof of concept and migration of business processes from TIBCO to Flowable, improving workflow integration and efficiency.
- Designed and delivered Flowable Admin, a responsive Angular application for workflow management. Served the Angular build's index.html through JSP in the Java backend to unify deployment and routing.
- Delivered a compliance-status REST API and its supporting infrastructure, including GitLab CI/CD pipelines, Kubernetes deployment and TSDL onboarding.
- Identified a manual dependency and proposed and built an API to remove it, improving team productivity and operational efficiency.
- Independently implemented and maintained multiple Spring Batch jobs, contributed to monolithic applications and delivered interfaces for counterparty classification and automated reporting across all entities.

SKILLS & TOOLS

Java 17 | Spring | Spring Boot | Spring Batch | TIBCO BPMN | Flowable BPMN | AWS S3 Bucket | Kafka | Docker | SQL Server | K8 | Sonar | Git | GitLab CI/CD | Postman | Swagger | Checkmarks | Jenkins | Jmeter | Selenium

Software Development Engineer

Mar 2021 - Nov 2023

Flipkart, EKART | Bangalore

- Introduced Redis caching for the authorization API, reducing requests per second from 10,000 to 3,000.
- Produced the low-level design for the authz v2-to-v3 migration and flow tagging for picking infrastructure.
- Managed DNS onboarding for databases and data stores across multiple warehouse applications to improve operational efficiency and reduce production incidents.
- Led the resolution of customer issues and coordinated production deployments.
- Supported Big Billion Day readiness across multiple applications, databases and data stores.
- Designed and built interfaces for Goods Transfer List (GTL) and Inter-Warehouse Inventory Transfer (IWIT) workflows, improving warehouse operations.
- Owned the Alertz migration, moving warehouse infrastructure alerts from legacy systems.
- Built and maintained a single-page dashboard to monitor the operational health of warehouse applications.
- Executed end-to-end testing for Grocery F-Quick infrastructure.
- Served as the point of contact for Zookeeper infrastructure.

SKILLS & TOOLS

Java | Microservices | Python | SQL | Redis | Zookeeper | React.js | Redux | Grafana | Git | Swagger | Postman

Software Developer

Feb 2020 - Mar 2021

Orinko | Bangalore

- Developed Orinko's website and product traceability page, enabling users to scan packages and access product details.
- Built an invoice management system covering gross and net calculations, discounts, multi-SKU invoicing and vendor cash collection tracking.
- Developed a supply-chain management module that assessed vendor capacity, generated orders and supported upsell and downsell logic.
- Built a real-time notification engine for order creation, packing, invoicing and delivery events.
- Developed a return management system from the ground up.

SKILLS & TOOLS

Java | Microservices | Angular | SQL | RabbitMQ | Grafana | NodeJS | Git | Postman

Member Technical Staff

Nov 2018 - Feb 2020

Mindteck India Limited, SDB | Bangalore

- Designed an MVC module spanning resource, service, service implementation, DAO, database configuration, shared utilities and exception handling.
- Contributed to migrating a legacy system to a Java and Angular 8 application built with Spring Boot and MySQL.
- Delivered end-user training for new and updated applications and presented product features to the client.
- Developed a resource management application to improve resource utilization.

SKILLS & TOOLS

Java | Microservices | Angular | SQL | Sales Force | SVN | Postman

EDUCATION

B.Tech, Information Technology | M.I.T. Muzaffarpur | 2018

PROJECTS

ShaadiBio

A simple online tool for creating a marriage biodata in minutes.

NextJs | JavaScript | NodeJS | ChakraUI | Puppeteer

https://www.shaadibio.com/

RECOGNITION

CSI Team Award (2024)
Recognized for the TIBCO to Flowable migration at CACIB.

TSDL Hackathon | 1st place (2024)
Won the CACIB TSDL hackathon.

VMware Hackathon | 1st place (2023)
Won the hackathon conducted by VMware.

ASIA Hackathon | 1st place (2023)
Won the hackathon conducted by CACIB.

Kool and the Gang Award (Flipkart)
Recognized for the Grocery Food and Non-food merge.

Performance Awards (Mindteck)
Received On-the-Spot Performer and Best Performer recognition.