

# Supratim Roy Chowdhury

## Senior Software Engineer

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Lead spring boot microservice product developer with almost 7 years of experience in Banking, Financial and Fintech domain in enterprise environment. Experienced in leading a team of 7 members in agile methodology to implement End to End solution (from analysis to production) using JIRA. Handled the solution architecture and design along with business analysis and system implementation of multiple projects related to payments and cards. Hands on experience in change release processes.

### Skills

- ❖ Building and implementing HLD, LLD, FSD, BRD and drafting project architecture
- ❖ Java 8, 11 & 17 with Spring Boot, Spring MVC, Spring Batch, Spring Security
- ❖ Relational DB – Oracle, PostgreSQL and Azure SQL
- ❖ Non-relational DB – MongoDB and Couchbase Database
- ❖ Hibernate, Kafka, Splunk, Elastic Search, Kibana and NoSQL
- ❖ Postman and SOAP based Webservices
- ❖ JBoss, WebLogic and Tomcat server
- ❖ Git, Stash, SVN and ClearCase as version controlling tools
- ❖ Jenkins, OpenShift, Docker and Kubernetes for CICD Pipeline and container deployment

### Work History

#### Backend Developer (September 2023 – Present)

**Dev Dynamics LLC (Client: Mashreq Bank), Dubai, United Arab Emirates**

**Skills Used:** JDK 17, Spring Boot, Spring Batch Job, Spring Security, iBatis, Azure SQL, JWT, MongoDB, Redis Cache, Splunk, Kafka, Docker, Kubernetes, Rest API, GIT, Jenkins.

- Developing micro services application to facilitate customer KYC verification.
- Developing REST APIs to integrate with core banking services to fetch customer information and update KYC details.
- Creating automation to run batches periodically for data validation and synchronization.
- Event based micro service architecture in concurrent multi-threading environment.
- Team lead to handle scrum calls and multiple applications and communication with business.
- Using GIT as version controlling tool and Splunk for event publishing and logging.
- Product developed:
  - ❖ eKYC: Retail Customer Management System [RCMS] KYC.

**Senior Software Engineer (May 2022 – August 2023)**  
**Tech Mahindra (Client: State Bank of India), Kolkata, West Bengal**

**Skills Used:** JDK 17, Spring Boot, Spring Batch Job, Spring Security, JPA, Oracle, MongoDB, Spring Cache, Splunk, Kafka, Docker, Kubernetes, Rest API, GIT, Jenkins, JWT.

- Revamping legacy application of an Indian multinational public sector bank and financial services to next generation using Microservices, Spring Boot, JPA, and Java 17.
- Upload invoice and parse the file to process the disbursement of the invoice amount.
- Technical lead of 2 finance products which was built from scratch solely by me which includes the design, architecture, development, and sanity testing.
- Working closely with business and clients to gather requirements and implement the same.
- Managing a team of 7 which includes task assignments daily by following agile methodology.
- Communicating with automation team to integrate the newly developed micro services.
- Products developed:
  - ❖ SCFU eVFS: Supply Chain Finance Unit Electronic Vendor Finance.
  - ❖ SCFU eFDS: Supply Chain Finance Unit Dealer Vendor Finance.

**Senior Software Engineer (August 2021 – April 2022)**  
**Visa Inc, Bangalore, Karnataka**

**Skills Used:** JDK17, Spring Boot, Spring Batch Job, Spring Security, JWT, JPA, Oracle, PostgreSQL, Kafka, Splunk, MongoDB, LDAP Auth, Docker, Kubernetes, Rest API, GIT, Jenkins.

- Part of the core engineering team to develop a platform in spring boot micro services for onboarding and handling transactions of various clients across the globe.
- Implemented a complicated feature to flag security threats in a transaction using VISA protocols, PIN encryption using various ISO standards.
- Individual contributor to the team responsible for gathering and delivering stories for each sprint.
- Developing event based micro services integrated with both relational and non-relational databases.
- Working parallelly with the Cybersecurity and Performance testing team to increase security and performance of the product.
- Working with multiple teams to implement and deliver the VISA Tokenization System (Tap and Pay) for a few geographical locations.
- Product developed:
  - ❖ DCP Core: Data Centre Platform for onboarding clients and manage transaction.

## **Associate Consultant (June 2020 – August 2021)**

### **Ernst and Young LLP (Client: FIS Global), Bangalore, Karnataka**

**Skills Used:** JDK13, Spring Boot, Spring Batch Job, JPA, Oracle, Couchbase DB, Kafka, Splunk, Docker, OpenShift, Rest API, SOAP API, GIT, Jenkins, WebLogic.

- Working in client location as a consultant for developing lending product (Loans and credit) in banking domain.
- Implemented the most complicated feature named **Account House Clearing** to handle inter banking transactions.
- Interact with multiple internal scrum team and external product team to integrate micro services to repay loans using net banking and cards.
- Developing event based micro services in Saga Orchestrator pattern with scalable and robust APIs for concurrent operations in distributed clusters.
- Using Kafka as event distribution model to produce and consume events.
- Handling, mapping and creating SOAP request in Microservice architecture.
- Products developed:
  - ❖ FIS Lending: Apply and processing of Secured and Unsecured Loans.
  - ❖ FIS Deposits: Deposit via cash or cheque or electronic transfer into Loan accounts.

## **Software Engineer (November 2017 – April 2020)**

### **IBS Software PVT LTD, Thiruvananthapuram, Kerala**

**Skills Used:** Java 8, Spring Boot, Spring Batch Job, Spring Security, JPA, Oracle, Couchbase DB, Elastic Search, Kibana, Docker, Kubernetes, Rest API, SOAP API, GIT, Jenkins, SVN.

- Developing Spring boot micro-services for booking and shorex activities for a Swiss global cruise line in travel and hospitality domain.
- Sole developer to integrate **almost 10 payment gateways** for a Passenger Reservation System airline product to complete the payment of ticket booking.
- Communication with clients to gather requirements and provide visual guide.
- Developing micro services using Spring batch jobs to migrate data from Oracle DB to Couchbase DB.
- Developing Spring boot application with REST APIs to fetch data from Elastic Search index in Java 8.
- Running and monitoring Spring batch job in Linux environment for all DEV, SIT, UAT and PROD environment.
- Products developed:
  - ❖ Land and Base items (LAB Items): Land activity for cruise trips.
  - ❖ Shorex items (Shore Excursion items): Activity for trips while in shore for cruise trips.

- ❖ Payment and booking: Complete payment via various methodologies, viz, Credit Card, Debit Card, Post Payment, Cash Counter payments, e-wallet.

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### *Achievements*

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1. Customer felicitation for outstanding development efforts - **From State Bank of India**
2. Gold Spot award winner for exemplary development efforts - **From Tech Mahindra**
3. Gold Spot award winner, under a month from joining, for building file management microservice from scratch - **From Tech Mahindra**
4. Won Customer Champ award, the highest-ranking award in the team, for delivering a complete end to end API for a major cruise client – **From IBS Software PVT LTD**

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### *Academic Qualifications*

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<i>Degree / Certificate</i>	<i>Degree</i>	<i>Discipline</i>	<i>Institute</i>	<i>Board / University</i>	<i>Year of Passing</i>	<i>Aggregate % / CGPA</i>
<i>Graduation</i>	<i>B. Tech</i>	<i>Electronics and Communication Engineering</i>	<i>Academy Of Technology</i>	<i>Maulana Abul Kalam Azad University of Technology (Formerly: WBUT)</i>	<i>2017</i>	<i>8.02</i>
<i>12<sup>th</sup></i>	<i>Higher Secondary</i>	<i>Science</i>	<i>Taki house (Govt. Spon.) Mult. School for Boys</i>	<i>West Bengal Council of Higher Secondary Education (WBCHSE)</i>	<i>2013</i>	<i>75</i>
<i>10<sup>th</sup></i>	<i>Secondary</i>		<i>The Scottish Church Collegiate School</i>	<i>West Bengal Board of Secondary Education (WBBSE).</i>	<i>2011</i>	<i>76.5</i>