

Mohammad Zaheenuddin

Software Developer

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📍 New Delhi, India

Work Experience

May 2022 – Feb 2024
Associate (SDE II)

Bangalore, India
Goldman Sachs Services Private Limited

About the Department & Role:

In the Listed Derivatives department, we specialize in clearing Futures & Options derivative trades. Our responsibilities include developing in-house applications to seamlessly handle the entire derivatives trading lifecycle. My role, as a Java back-end, is to develop source code for onboarding new exchanges, integrating new derivative trade products, onboarding clients, etc.

Revenue Projects:

1) EPEX Spot Project – \$20M

- Single-handedly completed the dev work of this project focused on integrating new products into the EPEX Spot market. Addressed the challenge of divergent unit measurements for these new products compared to the standard unit for other EPEX power products.
- Anticipating future variations in scaling needs for different products and venues on EPEX, I designed a highly configurable solution. This foresight not only met immediate project requirements but also saved development time for future projects.

2) SGX Iron Ore Project – \$5M

- Solely managed the \$5 million SGX Iron Ore Project from the development side. The objective was to integrate a unique Iron Ore Product that differed from the existing Iron Ore product in terms of price input.
- I implemented code with backward compatibility, ensuring non-disruption to existing Iron Ore Products.

Platform Projects:

NCM Onboarding

- Streamlined NCM onboarding by eliminating communication gaps and delays between Technical Operations and Developers. Previously, developers received requirements from the Ops team, created scripts, and underwent the standard production release cycle, causing delays and potential revenue loss.
- Implemented Solutions:
 - Developed backend APIs with a basic Swagger UI to empower Technical Operations in implementing their requirements directly, removing the need for an intermediary developer layer.
 - Significantly reduced errors associated with script creation and codebase integration.
 - Accelerated the production process, allowing immediate implementation, thereby preventing revenue loss and enhancing overall efficiency.

July 2019 – April 2022
Software Development Engineer

Bangalore, India
Novopay Solutions Private Limited

About the Company & Role:

Novopay is a banking and fintech company. Novopay operates on a B2B2C model, where its network of Retailers provides services including Domestic Money Transfer (DMT), Cash Withdrawal using AePS and MicroATM, Bill payments, Recharges, and helping their customers in purchasing various consumer-related services like Insurance, Digital gold, Health care, and many more through their Novopay Retailer app.

As a Java developer, developed several REST APIs to power various projects. Tech-stack included: Java, Springboot, MySQL, NoSQL (Elasticsearch, MongoDB), Redis, etc.

Revenue Projects:

1) Gift Card Program – ₹50M

- Single-handedly developed this application which enabled the issuance of “RuPay debit cards” as gift cards to end users (This was allowed by the Govt of India to promote their global card payment network).
- Single-handedly created a comprehensive set of REST APIs for key functionalities such as creating gift cards, viewing card details, blocking cards, transactions, refunds, etc.
- Successfully contributed to a revenue generation of ₹50 million during the project.
- Honored with “Outstanding Achievers Award” in Q1 of the financial year 2021-22. [🔗](#)

2) eKYC Product

- Contributed to the creation of a pay-as-you-go eKYC product, where our clients were charged for each of their customer onboarding done through our eKYC product.
- eKYC is a digitized version of the "Know Your Customer" (KYC) protocol mandated by the RBI (Reserve Bank Of India) for financial institutions.

Platform Projects:

1) Document Management System (DMS) Microservice

- Originally, the DMS microservice was designed to store various documents like client statements, declaration forms, etc, on on-premises storage. However, as the document store expanded, scalability issues arose, compounded by high operational costs.
- Redesigned the DMS microservice single-handedly to utilize AWS S3 for document storage, resulting in a highly scalable architecture and reduced cost.
- Subsequently, enhanced security by rerouting network calls to the DMS microservice through the standard Gateway microservice. Intercepting calls at the Gateway microservice before routing to DMS mitigated potential security risks associated with direct traffic.
- Ensured backward compatibility to seamlessly switch back to local server storage if needed.

Education

July 2015 – April 2019
Dhanbad, India

IIT Dhanbad [🔗](#)
B.Tech, Computer Science Engineering

Skills

Languages

Java (Proficient)

Frameworks & Tech

Spring Framework, Spring Boot, Spring AOP, Spring Actuator, REST APIs, Kafka

Databases

MySQL, NoSQL (Elasticsearch, MongoDB), Redis

Tools

Spring Tool Suite, Eclipse, Maven, Git, GitHub, Postman

Familiar With

AWS S3, AWS Textract, Google Vision, Docker, Cassandra, Kubernetes, etc

Achievements

Novopay Outstanding Achievers Award [🔗](#) (Novopay Solutions Private Limited)

- Honored with the "Outstanding Achievers Award" for my performance in Q1 of the financial year 2021-22 (completed "Gift Card Project").

Novopay Certificate of Merit (Novopay Solutions Private Limited)

- Completed Core Java Course held by Novopay and secured 3rd rank in the Java competition held at the end of the course (honoured with Certificate and Cash Prize).

Cracked IIT JEE Advanced – 2015

- Secured All India Rank of 6792 (general/open category) in JEE-Advanced 2015 in which over 1.3 million candidates took part (1% acceptance rate). This is one of the top 5 toughest exams in the world.