Rakesh Ghosh

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EXPERIENCE

RS Software   **Jan 2024 – Present (1 year)**
Associate Software Developer   *Kolkata, India*

- Developed a comprehensive virtual **terminal portal** for initiating credit and debit card payments, encompassing both frontend and backend functionalities. Integrated the portal with internal servers and the banking network, resulting in a **30% reduction** in report generation time.
- Engineered a robust payment gateway supporting multiple payment types *(Auth, Sale, Refund etc.)*, card networks *(Visa, Mastercard, Amex etc.)*, and payment processors *(TSYS, World Pay etc.)*, with the capacity to handle up to **10 million** transactions per second.

Cognizant Technology Solutions   **March 2021 – July 2023 (2 year 5 months)**
Programmer Analyst   *Kolkata, India*

- Developed a merchant onboarding portal from scratch, which is responsible for onboarding Merchants and Sub-Merchants with a complex ER diagram (multiple mapping involved). Delivered in a span of 6 months which boots client delivery by **50**%.
- Developed an internal Java-based framework using **Spring Boot** and **Rest Assured**, effectively abstracting complex Rest Assured APIs and accelerating the development of automation scripts, resulting in a significant time savings of **1500+** hours. Furthermore, the framework is adaptable for utilization in multiple projects.
- Lead a team of three highly skilled professionals while effectively communicating requirement and deliverables, sending critical project metrics to both onshore and offshore leadership teams at Cognizant.

PROJECTS

Pressio (Link) - Freelance Project - (Ink Town)
Tech used: Java, Spring Boot, MVC, JPA, Security, PostgreSQL, Html, CSS, JavaScript, React, React Router, Tailwind, Next-JS, Next-Auth

- Designed a comprehensive order management & delivery tracking application aimed at streamlining printing press operations and enhancing efficiency with an intuitive user interface for effortless order entry, assigning, monitoring, delivery tracking and timeline management.
- Enhanced Timeline management efficiency by segregating another table that handle design and delivery tracking efficiently and SMS notification for each timeline change and improved customer reactivity by **40%**.
- Enable Admin level, for root level control for assignment of orders and delivery of each product which increase the product delivery efficiency by **20%**.
- Deployed frontend in Vercel and backend in AWS EC2 (backend) instance as per client requirements.

Quill Quest (Link) - Personal Project
Tech used: Java, Spring Boot, Spring Security, Spring Data JPA, MySQL, Swagger

- Developed a feature-rich, **secure**, **role-based**, **stateless** authentication-enabled blog application allowing users to create, update, delete, and modify posts with embedded images, as well as comment on various posts.

TECHNICAL SKILLS

- **Languages**: C, C++, Java, JavaScript
- **Technologies/Frameworks/Libraries**: Spring Boot, Spring MVC, Spring Data JPA, Spring Security, Swagger-API, JWT. React, Tailwind, Next-JS
- **Database:** MySQL, PostgreSQL, MongoDB, Redis, Kafka
- **Others:** Jira, Git, GitHub, IntelliJ Idea, Maven.

EDUCATION

B.P. Poddar Institute of Management and Technology   **August 2017 - July 2021**
*Bachelor of Technology in Computer Science and Engineering (**DGPA of 8.47**)*   *Kolkata, India*

ACHIEVEMENTS

- Achieved highest rating of **1562** in Leet Code Contest.
- Successfully achieved Hacker Rank **Basic** and **Intermediate** Problem-Solving Certification Exam.