ANKUR DEBNATH

Sr. SOFTWARE ENGINEER

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Profile Summary

A seasoned Senior Software Engineer with over 7 years of experience spanning e-commerce, fintech, and product-based organizations. Proficient in full-stack development, I have a strong track record of delivering end-to-end products at scale. My expertise in System Architecture, Database Design, UI Development makes me a valuable resource for building robust, high-traffic solutions. Additionally, my creative passion for photography adds a unique perspective to my analytical skills.

Professional Skill

- **Java, Scala, NodeJS, C, C++, JavaScript**
- **Spring Boot, Express, React, Angular**
- **MySQL, Redis, MongoDB, Kafka, AWS**
- **HTML, CSS, System Design, Micro Services, REST API**

Education

IIEST, Shibpur *2012-2016*

B.Tech (Computer Science) - 7.25 CGPA

Work Experience

AMAZON | SDE II *Aug 2021 - Present*

- Rearchitected a **central view** to track invoice states, achieving a **90% SLA** for invoice payments, improving payment accuracy and identifying and resolving bottlenecks.
- Developed a **rule engine** to automate defect tagging in disputed invoices, **converting ETL queries into a domain-specific language (DSL)**. Introduced a **self-serve UI** allowing customers to configure rules independently enhancing efficiency and standardization resulting in **30% increase in auto resolution**.
- Took ownership of the entire Rule Engine project from concept clarification to **HLD, LLD**, and implementation. **Collaborated closely with customers** to understand pain points, scheduled **regular demos** to gain **early feedback**, ensuring **timely delivery**, **trust-building**, and **effective communication**.
- Recognizing the need for efficient resource management, introduced logic to **auto-terminate idle EMR clusters reducing 23% of costs**.
- Dedicated time to **mentor junior developers**, conducting **code reviews**, actively participating in **engineering excellence** tasks to maintain **high code quality standards** and promote professional growth within the team.

PAYTM | SDE -> Sr. SDE *Sep 2018 - Jul 2021*

- Led efforts to enhance CP (Cancellation Protect) for movies and flight with a logic to block and limit instances of CP, **saving Paytm significant costs** on fraud claims and **reducing fraudulent activity by 25%**. Also implemented **demand-driven pricing strategy** for CP based on travel/movie and booking time, resulting enhancing user convenience and justifiably.
- Authored an integration framework to seamlessly integrate APIs with multiple insurance partners. **Reduced development time by 60%** and **on-boarded 12+ insurance partners** within a span of **2 Months**.
- Developed an **on-boarding engine** to streamline the merchant on-boarding process, allowing merchants to continue their journey from where they left off resulting in **improved merchant adoption on the Paytm for Business** platform.

REVE SYSTEMS | SDE *Jun 2016 - Aug 2018*

- Created a robust 2-Factor Authentication (2FA) system for B2B, spanning CLI terminal and web Auth. **Created an SDK** for seamless web login integration, **reducing unauthorized access attempts by 40%**.
- Led the creation of a adaptive Payment Gateway with **PayPal** and **CCAvenue** integrations. This resulted **20% increase in successful transactions** through automatic gateway selection based on the user's country.