

ASHISH POUDEL

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WORK EXPERIENCE

PayU (Wibmo)

Software Engineer

Bangalore, India

Jun 2022 – Present

- **Authentication Flow for RuPay Cards:** Led the migration of the RuPay card authentication flow from a legacy monolithic platform to a microservice architecture utilizing Vert.x, Kafka, Redis, and MySQL, reducing the incident count by 70%. Received an award from CEO for the same.
- **Compliance for Payment Protocols:** Expedited time-critical certification task to ensure compliance with industry standards for Mastercard 2.2, American Express 2.3.1 and RuPay 2.0 protocols.
- **Success Rate Improvements:** Dedicated to enhancing the success rate of e-commerce transactions on a daily basis, and to date, have contributed to an 8% improvement in success rates for clients.
- **Risk Engine Integration for Payment protection:** Integrated Risk-Based Authentication with Access Control Server (ACS) to enhance transaction security by detecting and mitigating fraudulent activities.
- **APIs for Secure Data Exchange:** Engineered high performance REST APIs for secure data exchange between the bank and the Access Control Server (ACS), handling over 45,000 requests daily with an average response time of 40ms.
- **Collaboration in Agile Environment:** Collaborated with cross-functional teams to develop high-quality software solutions, following Agile principles and ensuring efficient project delivery.
- **Integration with Issuers API:** Integrated ACS with bank switch APIs, enabling seamless customer data retrieval during transactions.
- **PIN Based Authentication Flow:** Designed and implemented ATM PIN-Based Authentication Flow for Card Not Present (CNP) Transactions.
- **Production Issues Resolution:** Actively addressed and fixed production issues for over 10 leading issuers till date, ensuring minimal downtime and reduced impact on client operations.

EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY

B.Tech. Computer Science and Engineering

Vellore, India

2018 - 2022

Graduated with **9.52 CGPA** (Top 1% in Computer Science department).

TECHNICAL SKILLS

Frontend: React JS, Html, CSS, Bootstrap, JavaScript

Backend: Java, Vert.x, Spring Boot, MySQL, Nginx, Git, Gradle

Other Skills: Kafka, Redis, Microservice, Linux, SonarQube, Microservice Architecture, System Design, Design Patterns, Agile Methodologies, Software Development Life Cycle (SDLC), Software Testing, Software Documentation, REST API Development

PROJECTS

Penetration Testing Lab

- Designed and developed a Cyber Security Learning platform using React JS, and Node JS.
- Integrated Fully functioning terminal in the web application using Xterm JS, node-pty, and Socket Programming and Dockerized all 15 lessons and 4 challenges offered in the platform.

My Watchlist

- Developed movies/series watchlist app using React JS, TypeScript, and OMDB API.
- Integrated with YTS API and provided the torrent download functionality bypassing all the ads.

AWARDS

Merit Scholarship, VIT University

Awarded Merit Scholarship by Vellore Institute of Technology for outstanding academic performance during all four years of engineering.

ThankU Award, PayU

Received the “PayU ThankU” award twice for outstanding performance and dedication to delivering high-quality work.