

OM PRAKASH SHAW

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Results-driven Software Engineer with 2+ years of experience in full-stack development, specializing in the MERN stack, React.js, Node.js, Python, and AWS. Experienced in collaborating within Agile teams following Scrum and sprint-based development. Passionate about AI-driven automation to enhance efficiency.

WORK EXPERIENCE

Assistant System Engineer | StyloPay (Fintech Startup)

Kolkata, India

🔗 **Internal Dashboard (Fintech CRM)**

August 2023 - Present

- Migrated a legacy Spring MVC fintech CRM to a modern **React.js** frontend and **Node.js** middleware, improving security and reducing page load time by **40%**.
- Cut infrastructure cost by **80%** by migrating frontend and middleware hosting from AWS to **Vercel's free tier**.
- Developed core financial services, Card-as-a-Service(CaaS), Banking as a service(BaaS), **Revenue Report**, **KYC/KYB verification**, user configuration, user/business management, account details, **remittance**, **Cards**, **Virtual Account (VA) wallets**, Cognito Pool, compliance tracking, and real-time transaction processing,etc.
- Automated document verification through **OCR integration**, reducing manual processing effort by **60%** and enhancing compliance efficiency.
- Leading a team of interns in an ongoing project for the implementation of **Role-Based Access Control (RBAC)/ Attribute-Based Access Control (ABAC)**, strengthening security and access management.

🔗 **ZOQQ (Cross-Border Remittance Platform)**

- Developed key UI components using **React.js** and integrated **Node.js** APIs with a **Spring Boot** backend.
- Implemented a **microservices architecture** to enhance scalability and maintainability.
- Designed and deployed a promotional webpage to align product messaging with business goals.

🔗 **Live Website Enhancement**

- Developed and optimized RESTful APIs, storing values in **Amazon DynamoDB** for high-speed data retrieval.
- Integrated **AWS Lambda** to improve performance using serverless computing.

EDUCATION

B.Tech in Computer Science and Engineering | CGPA: 9.11

Kolkata, India

Netaji Subhash Engineering College | MAKAUT affiliated

July 2019 - July 2023

TECHNICAL SKILLS

Programming Languages:

C++, JavaScript, Python, SQL

Technical Skills:

React, Node.Js, Redux, Debugging, Express.js, ES6, HTML, CSS, ReactStrap, Bootstrap, Tailwind, RESTful Web services, Service-side programming, MongoDB, Server Deployment, Amazon S3 Bucket, Object Oriented Programming (in Java), Relational Database Management System, AWS Lambda function, Data Structures and Algorithm, Docker, Kafka, Redis, Generative AI Model

Tool:

Version Control(BitBucket,Git,GitHub), Jira, Cursor AI, Postman, Vercel

Soft Skills:

Agile Methodology (Scrum, Sprint Planning), Curiosity to learn, Communication

Communication Languages:

English, Hindi, Bengali, Bhojpuri

PROJECTS

Event-Driven Email Sender

- Built an automated email sender using event-driven architecture with **AWS SNS and Lambda**, enabling scalable asynchronous processing for high-volume workflows.
- Reduced email delivery latency by **50%** by optimizing queue processing and parallel execution.

LEADERSHIP AND CONTRIBUTIONS

- Mentored two interns for a six-month internship program, guiding them in **backend development, microservices, and security best practices**.
- Led a core organizing team for a **500+ student tech fest**, managing event logistics, sponsorships, and alumni engagement.