Pratyush Sharma

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Software Engineer with 2+ years of experience building scalable microservices and cloud-based applications using Python, Java, FastAPI, and Spring Boot. Built marketing automation flows using AI agents that improved user engagement by 71%. Improved blockchain risk analysis through Scorechain integration and optimized WebRTC-based video communication, reducing latency by 40%. Skilled in RESTful API design, Dockerized deployments, AWS services (SNS, SQS, SES), and system design following SOLID principles.

EXPERIENCE

Compliance Innovation

Software Engineer   *Nov 2024 – Present*

- Engineered a complete microservice architecture to automate marketing workflows using AI agents, boosting user engagement by 71.3%
- Designed and implemented ETL pipelines with Python and FastAPI to ingest, transform, and store large volumes of data; enabled analytics and reporting features.
- Integrated Scorechain technology to monitor and score blockchain wallets and transactions, enhancing the company's risk assessment capabilities and increasing suspicious activity detection by 45%, ensuring robust compliance with financial regulations.
- Upgraded an existing WebRTC project with Agora, reducing latency by 40% and improving video feed quality, leading to smoother real-time communication.

Netprophets Cyberworks Pvt. Ltd.

Software Engineer Trainee   *Jan 2024 – Oct 2024*

- Integrated AWS services (SNS, SQS, and SES) for comprehensive email monitoring and management, improving bounce tracking accuracy by 25% and reducing email delivery failures by 18%.
- Re-architected existing systems to support multi-tenant configurations, enabling a 30% increase in scalability and streamlining payment gateway integrations, reducing transaction failures by 15%.
- Optimized and streamlined code workflows, increased invoice and credit note processing efficiency by 20%, and reduced financial report errors by 25%.
- Assisted in the 2024 PCI DSS audit, ensuring compliance 100% with industry security standards and mitigating potential penalties of up to $50,000.

SKILLS

Programming Proficiency	Java, Python, Typescript
Databases	MySQL, PostgreSQL, MongoDB
Frameworks & Libraries	FastAPI, Nodejs, Spring Boot, Agno, Langchain
Build Tools	Maven, Gradle
Version Control & CI/CD	Git, GitLab
Cloud & DevOps Tools	AWS (SNS, SQS, SES, S3 Bucket), Docker, Postman
Design Principles	SOLID, REST, SOA
Communication	English (Professional), Hindi (Native)

ACHIEVEMENTS

- 🏆 Leveraged expertise in data structures and algorithms to identify and resolve three critical performance bottlenecks within legacy code, resulting in a measurable 15% improvement in processing speed. 🔗 Profile
- 🏆 Certified in SQL (HackerRank), validating advanced skills in database querying, joins, indexing, and optimization 🔗 Profile

EDUCATION

Rajkiya Engineering College   📅 2019-2023

B.Tech in Computer Science & Engineering

STRENGTHS & EXTRA-CURRICULAR ACTIVITIES

- Team Work & Communication
- Member of College's Web Design and Media Council (WDMC)