

Pratik Raut

Software Engineer -
Full-Stack, Backend &
AI Engineering

✉ pratik.raut9115@gmail.com
📞 9111502449
📍 India
/github GitHub
/in LinkedIn
/p Portfolio

SUMMARY

Software Engineer with 3+ years of experience building scalable, high-availability systems. Strong in Java, Rust, Go, Python, JavaScript, backend services, distributed systems, and cloud infrastructure. Proven ability to deliver performance-critical, production-grade software.

EDUCATION

B.Tech in Computer Science, Shri Guru Sandipani Institute of Technology

CGPA: 7.6

TECHNICAL SKILLS

Languages

Java Rust Go Python JavaScript
TypeScript

Frameworks

Spring Boot Node.js Django Flask
FastAPI .NET Core

Frontend

Angular React Next.js

Databases

MongoDB MySQL PostgreSQL

Systems & Cloud

AWS Docker CI/CD Nginx

Concepts

Data Structures Algorithms OOP
System Design Microservices REST
GraphQL

AI/ML

TensorFlow PyTorch Reinforcement Learning LLM Integration

PROJECTS

Secure File Storage & Sharing System, Go, Rust, React, PostgreSQL, AWS S3

Designed a secure file-sharing platform with JWT authentication, RBAC, and cloud-based storage Optimized backend services for reliability and throughput using Go and Rust

Dealership CRM (DP360), Angular, Java, CakePHP, MySQL, AWS

Built a modular CRM platform with CI/CD pipelines and cloud deployment Achieved 99.8% uptime through containerization and automated monitoring

Endorsement Platform, Angular, FastAPI, MongoDB, GraphQL

Developed a high-throughput engagement platform handling 10,000+ daily interactions Improved API response times by 25% through query and schema optimization

Real-Time Distributed Analytics Platform,

Java, Rust, Kafka, Flink, Redis, PostgreSQL, AWS, Docker

Designed and deployed a real-time distributed analytics platform processing millions of events per day, using Kafka-based stream processing and low-latency services in Java and Rust. Implemented exactly-once processing, horizontal scaling, and Redis caching, reducing query latency by 45%, with production deployment on AWS via Docker and CI/CD.

Node.js Order & User Management Platform,

Node.js, Express.js, PostgreSQL, Sequelize, Redis, JWT, AWS

Developed a scalable RESTful backend using Node.js, Express, and PostgreSQL, featuring normalised database schemas, optimized queries with indexing (achieving 30% reduction in query latency), and Redis caching for enhanced read performance and reduced database load. Implemented secure JWT-based authentication, role-based access control (RBAC), and API authorization.

Deployed the application on AWS using Docker containers and automated CI/CD pipelines with environment-specific configurations.

Collaborative Task Management Application with Real-Time Updates, Next.js, React, Node.js, Express, PostgreSQL, Prisma ORM, RabbitMQ, Docker, AWS (ECS/Fargate, RDS, Amazon MQ, S3, CloudFront), GitHub Actions (CI/CD), JWT Authentication, SSE/WebSockets for real-time updates, Tailwind CSS

Developed a full-stack Trello-like task management platform with real-time collaboration features using Next.js for the responsive frontend, Node.js/Express for the scalable RESTful backend, PostgreSQL as the relational database, RabbitMQ for asynchronous message queuing and background processing, and AWS for deployment.

EXPERIENCE

Software Engineer, Profilics Systems Pvt. Ltd.

01/2022 – Present | India

Designed and delivered scalable backend and full-stack systems supporting 15,000+ users and 5,000+ daily transactions Built REST and GraphQL APIs in Java, Go, Node.js, and Python, reducing latency by 40% Developed high-performance services and automation pipelines, improving system efficiency by 35% Deployed and maintained production systems on AWS using Docker and CI/CD, achieving 99.95% uptime Collaborated with cross-functional teams to deliver secure, reliable, and maintainable software at scale

CERTIFICATION

- 5-Day AI Agents Intensive Course with Google (Kaggle)
- Deep Agents with LangGraph – LangChain Academy