

Proloy Roy

Senior Software Engineer

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Summary

Senior Software Engineer focused on designing and delivering scalable, production-grade systems. Strong foundation in data structures, algorithms, and software design, with hands-on experience building backend services, APIs, and cloud-native applications. Collaborative mentor and reviewer who values clean, maintainable code and reliable deployments.

Core Skills

Languages

Java, C++, SQL
Python (optional)

Engineering

Data structures & algorithms
OOP, design patterns
System design

Delivery

Microservices, REST/gRPC
Git, CI/CD, testing
Cloud (AWS/Azure/GCP),
Docker/K8s

Experience

Senior Software Engineer - DreamzTech

[MM YYYY] - Present | [City, State] / Remote

- Led design and implementation of backend services from concept to deployment, including API contracts, data modeling, and operational readiness.
- Collaborated with cross-functional teams (product, QA, DevOps) to ship features in an Agile cadence and maintain predictable delivery.
- Owned code quality through reviews, testing practices, and mentoring; improved reliability via observability and structured debugging.

Software Engineer - [Previous Company]

[MM YYYY] - [MM YYYY] | [City, State]

- Built and maintained services and internal tools; contributed to performance tuning and bug fixes in production systems.
- Refactored legacy modules into modular, well-tested components aligned with SOLID principles and common design patterns.
- Implemented CI checks and automated tests to reduce regressions and improve release confidence.

Selected Projects

- Cloud-Native Service Platform:** Designed microservice boundaries and deployment workflows; enabled safer releases with CI/CD and progressive delivery.
- High-Throughput Data Pipeline:** Implemented stream/batch processing and optimized data access patterns; strengthened stability with monitoring and backpressure handling.

Education & Certifications

B.S. in Computer Science - [University], [Year] | Certifications: [AWS/Azure/GCP], [Kubernetes], [Other]

Additional

Agile/Scrum • Version control (Git) • Code reviews & mentoring • Debugging & incident response • Communication & leadership