Ankit Suresh Raut

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PROFESSIONAL SUMMARY

Software Engineer with 3+ years of experience designing and operating **scalable distributed backend systems** and cloud-native microservices. Experienced in building **Java, Go, and Python services** supporting high-traffic applications (2M+ monthly API requests) with a strong focus on reliability, performance optimization, and system design. Proven ownership of backend services from architecture through production, with demonstrated improvements in uptime (96%+), deployment stability (40% fewer incidents), and infrastructure efficiency ($1K/month cost reduction).

PROFESSIONAL EXPERIENCE

YesTech Corp.

Full-Stack Engineer (Backend & Infrastructure)   *Remote* · **Feb 2025 - Present**

- Led backend architecture and development of **cloud-native Go microservices**, owning services end-to-end from design to production.
- Architected distributed backend systems on AWS (Lambda, API Gateway, DynamoDB, RDS, S3), ensuring **96%+ availability** under concurrent workloads.
- Designed asynchronous processing pipelines and service coordination patterns enabling scalable, event-driven workflows.
- Established backend API standards, versioning strategies, and service contracts across mobile and internal systems.
- Implemented CI/CD automation, blue-green deployments, and rollback strategies, reducing release-related incidents by **40%**.
- Optimized compute, storage, and database performance, lowering AWS spend by **$800–$1,000/month** while maintaining SLA targets.
- Introduced structured logging, metrics, and tracing to improve observability and reduce root cause resolution time by **30%**.
- Applied secure multi-account architecture and least-privilege IAM policies to enforce service isolation and governance.

LTIMindtree

Software Engineer P1   *Pune, India* · **Jun 2022 - Jan 2024**

- Designed and enhanced **Java Spring Boot microservices** handling **2M+ API requests/month**, maintaining ~98% uptime.
- Built scalable REST APIs processing **30K+ daily transactions**, implementing rate limiting, retries, and API versioning for backward compatibility.
- Contributed to distributed system improvements using **Kafka and AWS SNS/SQS**, increasing event throughput by **30–35%**.
- Improved service resilience and reduced production defects by **30–40%** through integration testing, validation, and failure-handling patterns.
- Participated in architectural discussions and delivered incremental design enhancements to support evolving enterprise requirements.
- Optimized SQL queries and indexing strategies to reduce latency and improve backend response times under load.

Java Full-Stack Developer Intern   *Pune, India* · **Feb 2022 - May 2022**

- Developed backend services using **Spring Boot and PostgreSQL**, contributing to production deployments supporting high-volume business workflows.
- Improved database performance by reducing p95 latency by **100–120ms** via indexing and schema refinements.
- Collaborated with backend and frontend teams to design REST APIs and resilient UI workflows.

SKILLS

- **Languages**: Java, Go, Python, SQL
- **Backend & Distributed Systems**: Microservices Architecture, RESTful API Design, Event-Driven Systems (Kafka, SNS/SQS), Concurrency & Asynchronous Processing, Service Resilience (Retries, Circuit Breaking), API Versioning & Backward Compatibility, Horizontal Scaling
- **Frameworks & Runtime**: Spring Boot, FastAPI, Docker, Kubernetes
- **Cloud & Infrastructure**: AWS (Lambda, API Gateway, DynamoDB, RDS, S3, CloudWatch, Athena), Multi-Account Architecture, IAM & Security Controls, CI/CD Automation, Blue-Green Deployments, Infrastructure as Code (CDK, Terraform)
- **Databases**: PostgreSQL, MongoDB, Oracle DB, DynamoDB
- **Testing & Observability**: JUnit, PyTest, Integration Testing, Testcontainers, Structured Logging, Monitoring & Metrics, Observability Practices
- **Engineering Practices**: Service-Oriented Architecture, Distributed Systems Design, Fault Tolerance & High Availability, Performance Tuning, Code Reviews, Agile Delivery

PROJECTS

Backend Orchestration & Workflow Platform

- Engineered distributed orchestration service coordinating SQL, Python, and retrieval services with tracing and guardrails; achieved sub-2s latency under concurrent load.
- Implemented parallel task execution and service abstraction patterns aligned with microservice architecture principles.

AWS Multi-Account Landing Zone (CDK + Control Tower)

- Designed scalable multi-account AWS foundation with SCP guardrails, centralized logging, and secure VPC baselines for cloud governance.
- Implemented IAM isolation and environment segmentation supporting secure multi-tenant deployment models.

Voice-to-Insights Distributed Pipeline

- Built a modular asynchronous backend pipeline transforming streaming audio into searchable transcripts.
- Designed REST APIs supporting real-time analytics with scalable service decomposition.

Relational-to-MongoDB Migration (Mongo-Syphon)

- Developed batch ingestion framework for schema transformation and high-volume relational-to-document migration.
- Optimized indexing and data modeling strategies to improve read/write performance under concurrency.

CERTIFICATIONS

- **Oracle Cloud Infrastructure 2023 AI Certified Foundations Associate: Dec 2023**
- **Oracle Cloud Infrastructure 2023 AI Certified Data Science Professional: Dec 2023**
- **Oracle Cloud Infrastructure 2023 Digital Assistant Professional: Aug 2023**
- **Java Programming Masterclass covering Java 11 and Java 17 - Udemy: Aug 2021**
- **AWS Certified Developer – Associate: in progress**

EDUCATION

George Mason University **Jan 2024 - Dec 2025**
Master of Science, Computer Science
- **GPA:** 3.67/4.0

Pune University **Jun 2018 - Apr 2022**
Bachelor of Engineering, Computer Engineering
- **GPA:** 9.30 / 10