

ANKITA GAIKWAD

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PROFESSIONAL SUMMARY

Software Engineer with 2 years building production REST APIs and serverless AWS microservices, including 23 endpoints handling 15K peak daily requests for a Salesforce healthcare CRM. Built an idempotent retry system that recovered 200,000+ failed transactions. Built a fault-tolerant payment engine and a multi-user RAG platform end to end, from JavaScript UIs to FastAPI backends deployed on Docker and Kubernetes.

SKILLS

Languages	Python, JavaScript, TypeScript, SQL, HTML/CSS
Frameworks & DBs	React.js, Next.js, Node.js, FastAPI, Microservices, PostgreSQL, Redis, ChromaDB
Cloud & DevOps	AWS (Lambda, API Gateway, CloudFormation, CloudWatch, CodePipeline), Docker, Kubernetes, GitHub Actions, CI/CD, Infrastructure as Code
AI/ML	RAG pipelines, hybrid search (BM25, vector), embeddings (Voyage AI), Gemini API
Practices	Distributed Systems, Idempotency, Message Queues, Postman, pytest, Code Reviews
Soft Skills	Client communication, requirements gathering, documentation, collaboration

EXPERIENCE

Associate Software Engineer

Jun 2024 – Jul 2026

Accenture

Pune, India

- Shipped **23** Postman-tested **REST APIs** handling **15K peak daily requests** by building serverless microservices linking a vendor system to a Salesforce healthcare CRM using Node.js, Python, Lambda, and API Gateway.
- Recovered **200,000+** failed benefit verification transactions and cut manual reprocessing effort by **60%** by architecting an automated idempotent failure-detection and retry system using Python.
- Resolved production incidents across 1 client and 2 vendor teams as **the sole AWS incident-response owner** by leading root-cause analysis and troubleshooting Lambda and API Gateway failures in two-week Agile sprints.
- Cut failure detection from **multi-day escalations to minutes** by diagnosing Lambda throttling as the root cause of silent transaction drops and building alarms and log-metric filters across 23 endpoints using CloudWatch.
- Delivered every release for **23 Lambda functions** through CI/CD by conducting code reviews, authoring infrastructure as code, and owning deployments end to end using CloudFormation and CodePipeline.

PROJECTS

Settlement Engine: Fault-Tolerant Payment Processing System

[GitHub](#)

- Built a payment engine with **zero lost or duplicate payments** under worker crashes, outages, and lost replies using Python, FastAPI, PostgreSQL, Redis, and Docker.
- Prevented double processing with idempotent retries and a Redis work queue with atomic Lua claims; 8 workers racing over 300 payments **processed none twice**.
- Built a live ops dashboard in HTML, CSS, and JavaScript with real-time payment status, failure controls, and a one-click demo, backed by **178 pytest tests** in GitHub Actions.

Askive: Multi-User Document Q&A (RAG) Platform

[GitHub](#)

- Built a full-stack RAG app **end-to-end**: an HTML, CSS, and JavaScript chat UI with sanitized Markdown answers and source chunks, on a FastAPI, ChromaDB, Voyage AI, and Gemini backend.
- Added hybrid BM25 and vector search, JWT auth with per-user isolation, and Redis caching (**4.5 s to 11 ms**).
- Deployed on Kubernetes with autoscaling; Locust load tests hit **100 concurrent users** at 0.1% errors.

EDUCATION

Bachelor of Engineering, Computer Engineering

2020 – 2024

Pimpri Chinchwad College of Engineering and Research, Pune

GPA: 8.5/10

CERTIFICATIONS & LEADERSHIP

- Certifications: Azure AI Fundamentals (AI-900), Salesforce Certified AI Associate, IBM Python for Data Science.
- Logistics Head, Literary Club: led 3 campus events, including a blood donation camp with 120+ donors.