

Gokul Chirayath Sudheer

Backend Software Engineer | Python, AWS Serverless, Microservices

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Profiles

 [Gokul CS](#)

 [csgcode](#)

Summary

Backend & Cloud Engineer with 6+ years of experience building scalable, reliable, and maintainable systems on AWS using Python and modern serverless architectures. Strong background in microservices, distributed systems, CI/CD automation, infrastructure-as-code (CDK/SAM), and event-driven patterns. Experienced working across large multi-team codebases where I improved performance, reliability, developer tooling, and observability.

I excel at delivering incremental improvements to complex systems, reducing operational load, optimising APIs, and strengthening system quality through testing, monitoring, and engineering best practices. Comfortable adopting new technologies quickly, experience spanning Python, AWS, TypeScript/Node, Django, Data engineering workflows, and LLM/AI feature integrations. Collaborative communicator who works effectively with product, data, and platform teams to ship well-scoped, high-impact features.

Experience

Ernst & Young (EY GDS) Mar 2023 – Sept 2024

Senior software engineer – Platform Engineering (Python, AWS)

- Improved a large-scale, multi-team AWS backend by delivering features, resolving defects, and optimising API latency, directly improving internal developer productivity and system responsiveness.
- Designed and built event-driven architectures using **AWS Lambda, EventBridge, SQS/SNS, API Gateway**, reducing manual operations and improving fault tolerance.
- Built and maintained **CI/CD pipelines** and **IaC environments** using AWS CDK & SAM, resulting in faster, safer, and repeatable deployments across teams.
- Strengthened observability with structured logs, metrics, and alerting; reduced incident diagnosis times and improved service reliability.
- Led engineering improvements through **design discussions, documentation, code reviews**, and consistent mentorship of junior developers.
- Prototyped internal **LLM-powered automation tools**, improving efficiency for platform teams and demonstrating feasibility for broader AI integration.

Litebreeze AB May 2021– Mar 2023

Senior Software Engineer (Python, AWS, REST APIs)

- Built and delivered reliable backend systems in Python using AWS serverless components, improving uptime and long-term maintainability for client products.
- Refactored legacy monolithic components into modular microservices, reducing technical debt and enabling faster iteration on new features.
- Improved performance through **API redesign, caching, and query optimisation**, resulting in significantly faster response times under load.
- Designed and implemented **automated test suites** (unit + integration), raising code quality and reducing regression risk in production.
- Developed **event-driven ETL pipelines** using SQS/SNS to support downstream services and analytics workflows.
- Collaborated closely with product, DevOps, and design teams using Agile delivery, improving coordination and reducing handover friction.

SayOne Technologies May 2018 – Apr 2021

Full Stack Engineer (Python, Django, Angular)

- Built full-stack applications using Django REST Framework and Angular, enhancing end-to-end product functionality.
- Created custom algorithms for complex business logic (plagiarism detection, scheduling optimisation).
- Developed AWS-based ingestion pipelines, enabling reliable integration of large datasets from external services.
- Participated in code reviews, sprint ceremonies, and release planning developing strong engineering discipline early in career.

Education

University of East London Sept 2024 – Sept 2025

Data Science MSc

Mahatma Gandhi University May 2013 – Apr 2017

Computer Science and Engineering B.Tech

Technical Skills

Python	LLM Integration	AWS (Lambda, API Gateway, SQS, SNS, EventBridge, S3, CDK, SAM)
CI/CD DevOps	RESTful APIs	Django Django REST Framework
Software Design Patterns	AWS Lambda	AWS API Gateway
AWS S3	AWS CDK	AWS SAM
SQS SNS	Linux Bash	Git VCS
TypeScript	PostgreSQL	Javascript
Agile (Scrum)		

Awards

Djangothon – Hackathon Winner Dec 2018

HackerEarth