Godwin Ashok Metri

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Professional Summary:

Software Engineer with **4.5+ years of experience** building scalable, cloud-native applications across backend, frontend, and mobile stacks. Strong expertise in **FastAPI, Distributed Systems, and Microservices**, with hands-on experience delivering **high-throughput APIs (40K+ RPS)** and enterprise AI platforms. Comfortable working across the stack, with production experience in Python, Flutter and active learning in **TypeScript, React, and Go**.

Technical Skills:

Languages: Python, SQL, Dart | JavaScript, TypeScript, Go (learning)

Backend: FastAPI, Django, Flask, REST APIs, JWT, WebSockets
Frontend / Mobile: Flutter, React (learning), HTML, CSS
Cloud & Infra: Azure (AKS, Event Hub, Key Vault), AWS (ECS, Fargate, S3, RDS, Lambda), Docker, Kubernetes
Data & Messaging: PostgreSQL, Redis, Kafka, Event Hub, RabbitMQ, MongoDB, Celery
Architecture: Microservices, Distributed Systems, Async Processing, High-Throughput APIs
AI Platforms: LLM APIs, Chat Completion, Embeddings, Transcription, Image Generation, RASA, NLP

Work Experience:

Core42 (UAE) — via Elitser Infotech, Mumbai

Intermediate Software Engineer | May *2024 – Present*

- Core backend engineer for **Compass**, an enterprise-grade **AI / LLM platform** serving external customers with high-throughput, low-latency APIs.
- **Led the decomposition of a monolithic FastAPI service into scalable microservices**, improving system reliability and fault isolation while reducing deployment time by ~40%.
- Designed and optimized **FastAPI + PostgreSQL + Redis + Kafka** services capable of handling **~40,000 RPS**, reducing tail latency by ~30% under peak load.
- Built asynchronous **Batch Completion pipelines** using **FastAPI + PostgreSQL + Kafka + Redis + Azure Blob + Background Processes**, enabling execution of **thousands of requests per batch** without impacting live API traffic and reducing compute cost by ~25%.
- **Provided technical leadership to a team of 7 engineers**, owning feature design, task breakdown, code reviews, and successful delivery of production features across a distributed microservices architecture.

Route Mobile Ltd, Mumbai

Software Engineer | Oct *2021 – 2024*

- Built backend systems for a **no-code chatbot creation platform**, cutting chatbot development time by ~50%.
- Developed and shipped **Flutter-based Android and iOS applications** integrated with Django and WebSocket backends.
- Designed asynchronous task pipelines using **Celery and RabbitMQ**, improving system throughput by ~60%.
- Implemented real-time communication features using **WebSockets**, powering live chat and visual chatbot builders.

Education:

University of Mumbai — B.Sc. in Information Technology (CGPA: 8.3/10)

Projects:

Blaze – High-performance multithreaded WSGI web server (Like-Gunicorn)

Roubot – AI-powered chatbot creation platform with async, cloud-native architecture