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 **Location:** Bangalore, India

### **🧠 Summary**

Detail-oriented Backend Engineer with 3+ years of experience building scalable backend services at Google. Specializes in Python-based microservices, distributed systems, and cloud infrastructure on GCP. Proven ability to optimize performance and develop production-grade APIs and data pipelines. Passionate about clean code, system design, and automation.

### **🧪 Skills**

* **Languages:** Python, Go, JavaScript
* **Frameworks:** FastAPI, Flask, Django, gRPC
* **Databases:** PostgreSQL, BigQuery, Redis, Firestore
* **Cloud:** Google Cloud Platform (App Engine, Cloud Run, Pub/Sub, Cloud Functions)
* **DevOps:** Docker, Kubernetes, Terraform, Jenkins, GitHub Actions
* **Others:** REST, Microservices, TDD, OAuth2, Prometheus, CI/CD

### **👨‍💻 Work Experience**

#### **🏢 Google – Backend Engineer**

**Bangalore, India** | **May 2021 – Present**

* Developed and maintained high-availability Python microservices serving internal operations teams.
* Led backend architecture for a workflow orchestration tool used by 12,000+ employees, reducing incident response times by 35%.
* Designed asynchronous job processing pipelines using **Pub/Sub**, **Cloud Functions**, and **Redis queues**.
* Implemented CI/CD pipelines using **Cloud Build** and **GitHub Actions** with integrated test coverage and linting.
* Optimized data workflows by refactoring SQL queries in **BigQuery**, cutting processing time from 12 mins to under 5 mins.
* Partnered with SREs to define SLOs and deploy automated monitoring and alerting via **Stackdriver** and **Prometheus**.

#### **🧑‍💻 Google – Backend Engineering Intern**

**Bangalore, India** | **Jan 2021 – Apr 2021**

* Created Flask-based microservices to expose GCP billing APIs to internal teams.
* Built internal CLI tooling to automate user provisioning workflows using Python and Terraform.

### **🎓 Education**

**Bachelor of Technology – Computer Science and Engineering** National Institute of Technology, Trichy | 2016 – 2020  
 **CGPA:** 8.6 / 10

### **🏆 Achievements**

* **Google Spot Award Recipient** (2022) for engineering excellence on workflow automation project.
* Presented at **Google Python Developers Meet 2023** on “Designing Resilient APIs with FastAPI”.

### **💻 Projects**

* **Cloud Audit Dashboard** – A real-time log aggregation tool that visualizes GCP service usage; built with FastAPI and BigQuery.
* **Async Job Queue Service** – Built a Redis-backed job queue microservice with retry and failure handling for long-running tasks.

### **📚 Certifications**

* **Google Cloud Associate Cloud Engineer** – Issued: Nov 2023
* **Designing RESTful APIs with Flask and Python** – Coursera