MOHIT DHAUNDIYAL

Backend Engineer | Python · Google Cloud · Kubernetes · AI Systems

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SUMMARY

Backend engineer with **nearly 6 years** of experience designing, building and operating Python services and event-driven systems on Google Cloud and AWS. Experienced in production AI applications using LLMs, high-volume data and document-processing pipelines, and the cloud infrastructure behind them: Kubernetes, Terraform and CI/CD. Comfortable owning systems end to end, from API design and data modeling to deployment, production debugging and performance tuning.

TECHNICAL SKILLS

Languages: Python, Go, SQL, TypeScript / JavaScript

Backend: Flask, FastAPI, REST & OpenAPI (spec-first), microservices, event-driven and async processing

AI / LLM: Gemini on Vertex AI, LLM-based document extraction, prompt engineering, OCR, AI output evaluation

Data: PostgreSQL / AlloyDB, BigQuery, Datastore, schema migrations (Liquibase, Sqitch), query optimization

Cloud & DevOps: GCP (Cloud Run, GKE, Pub/Sub, Cloud Tasks), AWS (EKS, EC2, S3), Kubernetes, Docker, Terraform, GitHub Actions, Linux

PROFESSIONAL EXPERIENCE

Cloud Developer — Jun 2024 – Present

Pi Square Technology · Client: The Auto Club Group (ACG) — *New Delhi, India*

Premium Leakage Detection Platform: AI-powered document validation

- Lead backend development of an **event-driven GCP pipeline** (Cloud Run, Cloud Tasks, Pub/Sub, Cloud Scheduler) that processes insurance documents with **Gemini on Vertex AI** and identifies unsupported discounts across **15+ document types**.
- Extended a **pluggable document-processing architecture**, delivering new document types end to end across AI extraction, policy validation, rule-based scoring and review APIs.
- Own **spec-first backend APIs** (Python, Flask, OpenAPI 3.0, Connexion) that business analysts and RPA workflows use to review and act on AI-generated decisions.
- Implemented a **feedback and investigation workflow** that links analyst-reported false positives and negatives to the rules responsible, to resolve production accuracy issues.
- Improved engineering quality by introducing **static type checking, linting and automated quality gates** (Pyright, Ruff, Tox).

Document Comparison System: policy-form compliance engine

- Built and maintain a **compliance engine** that uses OCR, section-level fingerprinting and fuzzy comparison to flag deviations between signed policyholder forms and approved state templates.
- Scaled to **2M+ documents (~5,500/day)**, tuning database queries as volume grew.
- Designed a **PII redaction pipeline** in Python that removes policyholder data before OCR and storage, rejecting any document that fails redaction checks.
- Developed the **review application** (Angular, Flask, PostgreSQL/AlloyDB) used by compliance teams to investigate discrepancies.
- Built a **Gemini-powered OCR pipeline** to digitize handwritten inspection forms that conventional extraction cannot handle.

Cloud Engineer — Jun 2022 – Jun 2024

Searce Inc. — *Pune, India*

- Built **reusable Terraform modules and GCP landing zones** (VPC, subnets, firewalls, GKE, Compute Engine), with state and rollouts automated through Terraform Cloud; reused across client engagements.
- Migrated client workloads **from AWS to GCP**: lift-and-shift VMs with Migrate for VMs, and Kubernetes workloads from **EKS to GKE**.
- Built **secure CI/CD pipelines** (GitHub Actions, Artifact Registry, vulnerability scanning, Binary Authorization, Workload Identity Federation) so only verified, signed images reach GKE.
- Onboarded **4+ products to Google Cloud Marketplace** (incl. Kubecost) across SaaS, Kubernetes and VM listings, building event-driven Flask services on Cloud Run with Pub/Sub and Datastore.
- Built **Python cost-control automation** (GCP APIs, Cloud Functions) that flags idle resources and alerts owners to shut them down.

Associate Engineer — Jan 2021 – Jun 2022

Tata Consultancy Services (TCS) · Client: Humana Inc. — *Delhi, India*

- Developed and maintained **business rules and decision workflows** in IBM ODM and FICO Blaze Advisor for healthcare systems.
- Implemented event-driven rule processing and SQL-based reporting across legacy clinical decision platforms.

CERTIFICATIONS

Google Cloud Professional Cloud Architect, Professional Cloud Developer, Professional DevOps Engineer, Associate Cloud Engineer · **Terraform** Associate · **AWS** Cloud Practitioner

EDUCATION

Bachelor of Computer Applications (BCA) · Maharaja Surajmal Institute, GGSIP University, New Delhi · CGPA 8.85 / 10 — **2017 – 2020**