Amod Dhopavkar

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EXPERIENCE

Goldman Sachs
Dec 2024 – Present

Software Engineer — Salt Lake City, UT

- Led Docker/Kubernetes containerization of 50+ microservices with Gitlab CI/CD, scaling to 1B+ API calls daily; boosted deployment speed 4x, cut rollbacks 70%, achieved 99.999% uptime for fintech infra.
- Spearheaded zero-trust WebID auth overhaul for 100M+ monthly transactions, eliminating cookie risks and raising security 95% for 50k+ users without downtime.
- Built AWS EKS Trade Pre-Clearance system with ML anomaly detection, handling 50k+ hourly checks; sped approvals 10x, reduced risk 85% in trading setups.
- Deployed AI-driven Spring Boot/Kafka compliance engine for 500k+ daily trades; eliminated violations and cut audit times from weeks to hours.
- Partnered on patching 20+ critical CVEs with Prometheus scanning; prevented breach costs and established firm-wide security standards.

DataRobot
May 2024 – Sep 2024

Software Engineer Intern — Boston, MA

- Engineered Streamlit/TensorFlow ML pipelines, deploying 5+ models for 1k+ weekly users; halved inference latency and enabled enterprise-scale analytics.
- Created TypeScript UI toolkit for dashboards, cutting component bloat 60% across teams; accelerated ML iteration 3x on terabyte data.
- Optimized React frontend to WCAG 2.1 AA with SSR/lazy loading on 100k+ user platform; grew access 20%, improved loads 40%.
- Integrated Grafana monitoring for 10M+ monthly predictions; resolved bottlenecks, raised reliability 75% for data scientists.

Addgene
May 2023 – Dec 2023

Software Engineer — Boston, MA

- Architected WebSockets/Kafka logistics system for 1M+ shipments; hit 98% accuracy, cut support escalations 50% in supply chains.
- Implemented Redis caching for 50k+ daily biotech APIs, dropping latency 83% from 300ms to 50ms; scaled 5x traffic seamlessly.
- Built Node.js JWT/OAuth gateway with rate limiting/anomaly detection, blocking 99.9% DDoS on 200k+ repo; reduced tickets 60%.
- Migrated APIs to GCP microservices with circuit breakers/mesh; increased throughput 4x, ensured fault isolation.

Quantiphi
May 2021 – Aug 2022

Software Engineer — Mumbai, India

- Directed Spark-based Elasticsearch-to-BigQuery migration for petabyte data; saved 40% on $1M+ storage, sped queries 15x for 100+ pipelines.
- Orchestrated Airflow ETL for 100TB nightly processing with validation; cut execution 50%, delivered insights 4h earlier, fixed 99% inconsistencies.
- Introduced Spark streaming for 1M+ events/sec fraud detection; lowered false positives 70%, sped model training.
- Implemented Terraform IaC for 50+ BigQuery environments with teams; reduced deployments 80%, enabled zero-downtime updates.

PROJECTS

LaTeX Resume Builder – devcv.xyz
[github.com/devcv.xyz](#)

- Engineered a live-preview LaTeX résumé builder (React/Node/TS) that auto-saves in <200ms and exports 500+ PDFs monthly.

LeetCode PowerUp – Chrome Extension
[github.com/leetcode-powerup](#)

- Injects YouTube top solutions and a persistent scratchpad into LeetCode pages, saving 5k+ users an average 2min per problem.

EDUCATION

MS in Computer Science, Northeastern University — Sep 2022 – Dec 2024

BS in Computer Science, University of Pune — Aug 2017 – May 2021

SKILLS

Languages & Frameworks: Python, Java, JavaScript, TypeScript, C/C++, SQL, React, Node, Spring Boot, Flask

Cloud, DevOps & Data: AWS, GCP, Docker, Kubernetes, Terraform, Ansible, CI/CD, Apache Airflow, Kafka, MongoDB, Elasticsearch, BigQuery, Redis

Tools & Concepts: RESTful APIs, Microservices, Distributed Systems, Grafana, Prometheus, Git