

# Amod Dhopavkar

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## EDUCATION

### Northeastern University

*Master of Science in Computer Science*

Aug 2022 – Dec 2024

### University of Pune

*Bachelor of Science in Computer Science*

Aug 2017 – May 2021

## EXPERIENCE

### Software Engineer

*Goldman Sachs*

Dec 2024 – Present

*Salt Lake City, UT*

- Containerized 50+ microservices using Docker and Kubernetes with GitLab CI/CD, handling 1M+ daily API calls with 4x faster deployment and 99.999% uptime.
- Redesigned authentication to zero-trust WebID architecture for 100M+ monthly transactions, securing 50k+ users with zero downtime.
- Built ML-powered trade pre-clearance system on AWS EKS processing 50k+ hourly compliance checks, reducing approval time by 10x and risk violations by 85%.
- Architected event-driven compliance engine using Spring Boot and Kafka processing 500k+ daily trades, reducing audit cycles from weeks to hours.

### Software Engineer Intern

*DataRobot*

May 2024 – Sep 2024

*Boston, MA*

- Built end-to-end ML deployment pipelines using Streamlit and TensorFlow serving 1k+ weekly users, cutting inference latency by 50%.
- Designed TypeScript component library with Storybook documentation reducing UI development time by 60% across 5+ product teams.
- Optimized React performance using code-splitting and SSR, improving Core Web Vitals by 40% for 100k+ enterprise users.

### Software Engineer

*Addgene*

May 2023 – Dec 2023

*Boston, MA*

- Engineered real-time order tracking using WebSockets and Kafka processing 1M+ annual shipments with 98% accuracy, reducing support tickets by 50%.
- Optimized API performance with Redis caching and query tuning, reducing p99 latency from 300ms to 50ms while handling 5x traffic growth.
- Built secure API gateway with OAuth 2.0 and JWT authentication, preventing 99.9% of unauthorized access attempts on 200k+ materials repository.

### Software Engineer

*Quantiphi*

May 2021 – Aug 2022

*Mumbai, India*

- Architected cloud platform migration from Elasticsearch to BigQuery using Spark, reducing costs by 40% and improving query performance by 15x.
- Built production pipelines with Airflow and DBT processing 100TB daily, improving data reliability from 85% to 99%.
- Developed real-time fraud detection using Spark Streaming analyzing 1M+ events/sec, reducing false positives by 70% and saving \$2M+ annually.

## PROJECTS

### LaTeX Resume Builder – devcv.xyz

[github.com/devcv.xyz](https://github.com/devcv.xyz)

- Engineered live-preview LaTeX résumé builder (React/Node/TS) with <200ms auto-save, exporting 500+ PDFs monthly.

### LeetCode PowerUp – Chrome Extension

[github.com/leetcode-powerup](https://github.com/leetcode-powerup)

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

## TECHNICAL 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, Airflow, Kafka, MongoDB, Elasticsearch, BigQuery, Redis

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