

# Amod Dhopavkar

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## 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

## Experience

- Software Engineer**, Goldman Sachs – Salt Lake City, UTDec 2024 – Present
  - Currently developing the WebID demise project, focusing on transitioning authentication mechanisms away from cookies for enhanced security and efficiency.
  - Developed compliance monitoring applications with Spring Boot and Java to ensure adherence to financial regulations, significantly improving oversight and risk mitigation.
  - Designed and implemented RESTful APIs with Spring Boot to integrate internal compliance systems, successfully handling over 10,000 daily requests.
  - Containerized applications using Docker and Kubernetes to enhance deployment reliability and scaling, resulting in more efficient and robust system operations.
- Software Engineer Intern**, DataRobot – Boston, MAMay 2024 – Sep 2024
  - Developed three new user workflows utilizing Streamlit and Python, seamlessly integrating with DataRobot's prediction models.
  - Enhanced React components to meet accessibility standards, significantly improving the application's user-friendliness for people with disabilities.
  - Engineered reusable TypeScript components for the analytics dashboard, reducing code duplication by 40% and improving overall maintainability.
- Software Engineer**, Addgene – Boston, MAMay 2023 – Dec 2023
  - Implemented Redis caching to significantly reduce API response times, decreasing latency from 200ms to 90ms.
  - Developed and implemented API authentication and rate limiting using JWT tokens, enhancing platform security and preventing service abuse.
  - Integrated external APIs to add real-time shipment tracking capabilities, improving tracking accuracy by 30%.
- Software Engineer**, Quantiphi – Mumbai, INAug 2021 – Jun 2022
  - Migrated data infrastructure from Elasticsearch to BigQuery, reducing storage costs by 30% and accelerating query performance.
  - Built automated data pipelines using Spark and Apache Airflow, reducing data processing time by 35% and improving workflow efficiency.
- Software Engineer Intern**, Veritas Technologies – Pune, INAug 2020 – Mar 2021
  - Developed a Proof-of-Concept for integrating a packet tracing utility within the Distributed Replicated Block Device (DRBD) open-source project.
  - Contributed to the evaluation of DRBD's feasibility for enterprise-level disaster recovery solutions and continuous data availability.

## Projects

- Resume Builder** — [devcv.xyz](http://devcv.xyz)
- A modern web application for crafting professional resumes with LaTeX templates. Currently in v0, supporting two templates and aiming for AI integration to assist with drafting, while maintaining precise LaTeX formatting.
  - Developed a full-stack application using React with TypeScript (frontend) and Node.js with Express (backend) to provide a Google Docs-like interface for resume creation.
  - Designed a responsive UI with Material-UI and structured the backend with a RESTful API architecture for template processing and data management.

## Achievements

- Recognized as the 3rd largest contributor to [dr-apps](https://github.com/dr-apps), an open-source project for developing no-code DataRobot apps.
- Achieved a LeetCode contest rating of over 2000, demonstrating strong algorithmic and problem-solving skills.

## Education

- Northeastern University** – MS in Computer ScienceAug 2022 – Dec 2024
- University of Pune** – BS in Computer ScienceAug 2017 – May 2021