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, UT   Dec 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, MA   May 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, MA   May 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, IN   Aug 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, IN   Aug 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
- 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, 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 Science

University of Pune – BS in Computer Science