Devanshi Savla

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SUMMARY

Software Engineer with experience in Full Stack Development, Cloud Computing and DevOps.

WORK EXPERIENCE

Uber Technologies | *Software Engineer* — **Sep 2024 - Present**
- Led the design and development of client-side local evaluation for A/B testing and feature rollout framework, onboarding it to a core rider service, eliminating dependency on network calls for feature gating and configuration.
- Delivered 100x latency improvement (from ~10ms to ~100μs), enhanced service reliability and reduced CPU/network overhead by decoupling feature evaluation from backend APIs, significantly boosting performance.
- Engineered the migration of top 5 highest QPS endpoints (~99.6% of traffic) from Node.js to Go, aligning with 3.0 architecture standards, reducing P99 latencies by 74%, significantly lowering compute costs and server errors.
- Developed "Cancel Ride" feature for AV trips, allowing support agents to end rides on users' behalf and enhance responsiveness.

North Carolina Institute of Climate Studies | *Software Engineer* — **Mar 2024 - Aug 2024**
- Leveraged **Pulumi IaC** to configure **300+** users, streamline access & manage **S3 data** across organization improving efficiency.
- Implemented **CI/CD pipeline** with **Flux** on **Kubernetes**, automating deployments and integrating monitoring stack, resulting in increased deployment speed and enhanced system reliability.
- Enhanced working visibility by developing cross-cloud monitoring pipeline utilizing **AWS, Turbot SteamPipe & Prometheus**.
- Improved efficiency & reliability with customized dashboards & alert systems, enabling proactive issue detection and resolution.

Volvo Group | *Software Developer Intern* — **May 2023 - Aug 2023**
- Developed **Python automation** scripts with **pandas & openpyxl**, reducing manual efforts by **99%** for Volvo & Mack e-store.
- Enabled efficient project tracking & management by creating concise dashboards in **Jira** for Aftermarket Technology Dept.
- Proposed and led the development of an informative **Full Stack** application to organize data & metadata about various resources.

Walmart Global Tech India | *Software Engineer Intern* — **Jan 2022 - Jun 2022**
- Developed chat-bot leveraging **Natural Language Processing** as a standalone reusable module that could significantly optimize query resolution process for suppliers and improve customer experience.
- Contributed to development of backend in **Node.js & MongoDB** and formulation of machine learning models by utilizing intent classification approach to improve the accuracy and response efficiency.
- Ensured quality and reliability of the app by developing **Selenium** based functional automation tests, reducing about **30%** bugs.

SKILLS

Languages:	Go, Java, Python, JavaScript, TypeScript, SQL, C/C++, HTML/CSS, TypeScript
Frameworks & DBs:	M3DB, gRPC, Protobuf, Pulumi, Node.js, Flask, React, Spring Boot, Django, Angular, MySQL, MongoDB, PostgreSQL, REST, PHP, FastAPI
Tools & Technologies:	Bazel, Grafana, Jaeger AWS, Linux, Docker, Kubernetes, Jenkins, Git, Jira, Agile, Selenium, Prometheus

EDUCATION

North Carolina State University | *Master of Computer Science* — **Aug 2022 - May 2024**
Algorithms, Software Engineering, Cloud Computing, Automated Learning & Data Analysis — *GPA: 3.53/4.0*

Manipal University | *Bachelor of Technology in Computer and Communication Engineering* — **Jul 2018 - Jul 2022**
Object Oriented Programming, Database Management Systems, Machine Learning, Operating Systems — *GPA: 9.41/10.0*

PROJECTS

Data Drizzle - Secure File Sharing and Storing Platform | *Software Engineering Project* — **Feb 2024 - May 2024**
- Optimized user download speeds by employing multiserver strategy in a high-performance **Spring Boot & OAuth 2.0** backend.
- **Dockerized** the application for streamlined deployment, scaling, and management, enhancing working efficiency and scalability.
- Ensured integrity and security by implementing a robust protocol that leverages file splitting, compression and **AES encryption**.

Healthcare Application Architecture on AWS ⌗ | *Cloud Architecture* | *Academic Project* — **Aug 2023 - Dec 2023**
- Designed a secure and scalable cloud architecture on **AWS** for a healthcare app by leveraging services like Elastic Load Balancer (**ELB**), Elastic Container Repository (**ECR**), Elastic Disaster Recovery (**EDR**), Kubernetes Service (**EKS**) etc.
- Conducted **three Kubernetes** experiments on load balancing with various **auto-scaling** configurations across **two** availability zones, optimizing resource allocation and improving system scalability **by 25%**.

Evolo Project Management System ⌗ | *Software Engineering* | *Academic Project* — **Sep 2022 - Dec 2022**
- Engineered dashboard-based **Project Management System**, Evolo, offering comprehensive work tracking capabilities for group projects in organizations by employing **HTML/CSS, JavaScript, PHP & MySQL**.
- Automated the deployment of the app on **AWS EC2** by leveraging a **CI/CD pipeline** built with **Jenkins and GitHub Actions**, ensuring minimal downtime.