Saurabh Kumar Singh

📞 +919838094063   ✉ singh1203.ss@gmail.com   in linkedin.com/in/saurabhsingh1203   ○ github.com/singh1203

Experience

Layer5   **June 2024 – August 2024**
LFX Mentee 2024   *Remote*

- Implemented backend features for service mesh microservice systems with Golang and gRPC. Developed and maintained REST APIs to ensure consistency and reliability.
- Developed and maintained web applications using HTTP/HTTPS protocols and web frameworks like Gorilla and Echo. Improved CI/CD processes with unit and integration tests, achieving 50% coverage through GitHub Actions and Golang.

Ride Evee   **October 2023 – March 2024**
Backend Developer Intern   *Remote*

- Pioneered Web and Flutter team APIs, driving cross-platform collaboration for a 25% boost in project productivity. Optimized codebase with SOLID principles, resulting in a 30% increase in readability and resource efficiency.
- Orchestrated the implementation of Zoho SMTP mail notification for robust authentication, elevating user notifications. Proficiently maintained the backend on Amazon EC2, ensuring a scalable and resilient architecture.

Deloitte (Forage)   **February 2023 – April 2023**
Internship Virtual   *Remote*

- Analyzed and devised an algorithm, seamlessly integrating two distinct data models, showcasing coding expertise and adept analytical abilities.
- Created a client telemetry dashboard, amplifying data-driven decision-making accuracy by 40%. Identified and promptly resolved a cybersecurity breach, safeguarding the security of private company information.

Projects & Open-Source

Meshery CNCF | *Golang, Kubernetes, Docker, GitHub, Open-Source*   🔗 Project

- Designed and implemented CLI commands for Meshery to enhance user interaction and functionality.
- Developed comprehensive unit tests for various CLI commands to ensure robustness and reliability.
- Refactored and optimized existing code to adhere to best practices and code quality standards.
- Participated in regular code reviews, fostering a collaborative and constructive development environment.

SimilarityAPI | *TypeScript, Next13, Tailwind CSS, PostgreSQL, Prisma*   🔗 View Live

- Led Full-Stack Development: Orchestrated a Next.js 13 and TypeScript web app with a similarity API for accurate input comparisons.
- Pioneered the implementation of cutting-edge security measures, incorporating rate limiting and Google authentication protocols, resulting in a 40% reduction in unauthorized access attempts and a 25% enhancement in overall user data protection.
- Devised API Key System: Conceptualized and coded API key creation for enhanced security and user flexibility.

MindsDB | *Python, Docker, Overpass API, Overpy, SQL, Open-Source*   🔗 View Project

- Coded an innovative OpenStreetMap Handler, integrating MindsDB with the OpenStreetMap API, streamlining data connectivity and enhancing location-based insights for data-driven decision-making processes.
- Collaborated with Senior Data Engineer to integrate new handler into existing codebase, optimizing performance and stability, leading to a 35% reduction in processing time and improved system capabilities.

Technical Skills

Languages: Golang, JavaScript, Python, HTML, CSS, SQL, YAML, JSON
Libraries / Frameworks: Node.Js, React, REST API, Mongoose ODM, Prisma ORM
Technologies / Platforms: Git, Linux, Microservices, Docker, Kubernetes, GitHub Actions
Databases: MySQL, MongoDB, PostgreSQL

Education

Dr. A.P.J. Abdul Kalam Technical University   **Aug 2019 - July 2023**
B.tech Computer Science & Engineering   *Lucknow, U.P*
CGPA: 7.64

Achievements

- LFX Mentee 2024 for CNCF Meshery Project - **Certificate** 🔗
- Achieved AWS Machine Learning Foundations Scholarship from Udacity - **Certificate** 🔗
- Exceled in Internshala Web Development, boosting front-end skills with an 86% score. - **Certificate** 🔗