TANVIR SINGH

FULLSTACK ENGINEER

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EXPERIENCE

Fullstack Engineer at Auribises Technologies   **Jan 2023 - Present**

- Developed tools and automation script in **NodeJS** for data management in **Firebase** for internal company use.
- Trained associates and interns in **Angular** and **NodeJS** through collaborative communication to better harbor productivity.
- Developed **Angular** based applications using shared codebases with other team members to fulfill client requirements.
- Integrated **WhatsApp API** with our **Angular** applications, providing a comprehensive messaging solution for over 1,000 users. This integration enhanced communication capabilities and enriched user experiences.
- Developed robust and efficient **REST APIs** in **Go**, ensuring high performance and scalability. These APIs formed the core of our applications and facilitated seamless communication between various components.
- Utilized **agile methodologies** in project development, including planning sessions, stand-ups, and retrospectives, to drive iterative software development and continuous improvement for the team.
- Dockerized applications to ensure consistency across different environments and simplify deployment, resulting in improved portability and resource utilization.
- Managed Linux servers for deployment purposes, ensuring stability, security, and optimal performance. Proactively resolved server-related issues to minimize downtime.
- Successfully transitioned manual deployment procedures to streamlined automated processes using **Jenkins**, **Docker**, and **CI/CD** methodologies. This enhancement significantly reduced deployment times and enhanced overall development efficiency.

SKILLS

- **Languages:** Java, JavaScript, Typescript, Python, Go, SQL, HTML, CSS
- **Frontend:** ReactJS, NextJS, Angular
- **Backend:** NodeJS, ExpressJS, Spring Boot, MongoDB, PostgreSQL, MySQL, Firestore, Redis, JUnit
- **Developer Technologies:** Git, GitHub, Docker, Kubernetes, Linux, Shell, CI/CD, Jenkins, Bash, VSCode, IntelliJ Idea, Pycharm, Vim, Nano
- **Cloud Platforms:** AWS, Google Cloud Platform, Google Firebase, Vercel

PROJECTS

Shmooze | Realtime Chat App   **Visit Link**

Shmooze is a real-time chat application that can be used as an alternative to apps like WhatsApp and Telegram.

Key Points:

- **WebSockets** used for real-time communication.
- **JWT** based Auth service with password **hashing**.
- **Tech Stack - JavaScript, HTML, ReactJS, NodeJS, ExpressJS, Axios, Socket.io, MongoDB, VSCode, Vercel**

DataMax Drive Share | File Sharing Platform   **Visit Link**

DataMax is a self-hosted file-sharing platform that can be used to securely share files with other users.

Key Points:

- **JWT** based Auth service with password **hashing**.
- **AES** encryption for saved files.
- **Tech Stack - Java, TypeScript, HTML, Spring Boot, Angular, MySQL, VSCode, IntelliJ Idea**

GNDEC Notes | Course Material Website   **Visit Link**

Key Points:

- Automatic webpages generation using **HUGO**.
- **Tech Stack: HUGO, HTML, CSS, Markdown, GitHub Pages, VSCode**

ACHIEVEMENTS

- Google Code-in Finalist 2019 by OSGeo | Winners List
- Google Code-in Finalist 2018 by PostgreSQL | Winners List

CERTIFICATIONS

- AWS Academy Graduate - AWS Academy Introduction to Cloud Semester 2 | Certificate Link
- AWS Academy Graduate - AWS Academy Introduction to Cloud Semester 1 | Certificate Link
- AWS Academy Graduate - AWS Academy Cloud Foundations | Certificate Link

EDUCATION

Bachelor of Technology - Electronics and Communication Engineering   **(2020-2024)**
Guru Nanak Dev Engineering College, Punjab, India

Class 11th & 12th - Science Major (Physics, Chemistry, Maths)   **(2018-2020)**
Guru Nanak Public School, Punjab, India