Aamir Zaheer

GitHub

Date of Birth : 23 June 2003

Language Known : English

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Education

Bachelor of Engineering   **Expected Graduation : SEPT 2025**

Fr. Conceicao Rodrigues College of Engineering,
Mumbai, Maharashtra India

Experience

Code Inbound (Software developer company based in New-Delhi)   Feb 2022 - May 2022

- Worked with **Nest.js** a Node.js framework to build API's.
- Learned a lot about **relational databases** and how to use them to create **complex database models**.
- Learned about how to **work** in a team, give feedback and also take feedback from others.
- Learned the importance of daily status update and asking out for help if getting stuck at any task.

Quadb Technologies, REMOTE   Feb 2024 – Jun 2024

Node.js Intern

- **Hotel Booking Project**:
  - Worked with Node.js and PostgreSQL to develop API endpoints.
  - Integrated third-party APIs to add new hotel data to the project.
  - Implemented encryption and decryption of messages between users and hotel owners.

- **Cryptocurrency Mobile App**:
  - Sole backend developer responsible for implementing the server from scratch.
  - Developed features allowing users to buy and sell cryptocurrencies.
  - Implemented a badge system rewarding users for activities such as adding contact information and consecutive logins.
  - Created competition modules where users can join and receive email notifications.
  - Generated JWT tokens for user authentication and session management.

Projects

Sudoku solver - **(BACKEND**) **WEBSITELINK** / **GitHub-Repo**   May 2022 - Sept 2022

- A simple sudoku solver which allows the user to enter the input numbers from 1 to 9 on the board and then when the user will click the Solve button a solved sudoku will appear on the board according to the input numbers entered on the board.
- Used **Rapid API** hub to get the data according to the user input and post it on to the board.
- Languages used Client: **HTML CSS** and **JS** backend: **NODE**.**JS** .
- Deployed the backend of the website on **RENDER** and frontend on **NETLIFY**.

Weather API - (BACKEND) GitHub-Repo   June 2023 – July 2023

- Developed a **Weather API** featuring a **user-friendly** web interface to retrieve **real-time** weather information for diverse locations.
- Leveraged **Node.JS** with **Typescript** for the backend, complemented by **HTML**, **CSS**, and **Javascript** on the frontend to ensure

a seamless and **responsive** user experience.

- Integrated the **Open Weather Map** API to fetch up-to-date weather data for specified locations.

- Crafted an intuitive web interface for effortless interaction with the API, allowing users to input any global city's location and promptly retrieve the latest weather details.

Online Library System – (**BACKEND**) [Link](#) / [Github-Repo](#)   Sep 2023 - Nov 2023

- Developed an online library system tailored for efficient **book search** and **rental** functionalities.
- Enabled user **authentication** through Gmail credentials, allowing seamless access to accounts via Gmail ID and password.
- Employed a robust **tech stack** including **Golang**, **Postgres** for the database, and **JWT** for secure authentication. Implemented a **Microservices architecture**, **containerized** the application with **Docker**, and deployed it on **Google Kubernetes Engine** (**GKE**) for optimal scalability.
- Managed local containers effectively using **Docker-compose**, ensuring consistency between development and production environments.
- Implemented a **Nginx reverse proxy** to consolidate services, providing users with a **unified access point** for enhanced convenience.
- Established a cohesive **Swagger-UI** documentation within the nginx reverse proxy, streamlining the understanding and utilization of both **services**.
- Implemented enhanced password **security** by generating **random salts**, combining them with user passwords, and securely **hashing** the result before storing in the database.
- Secured Book Search and Rent routes by enforcing user authentication and **authorization**, allowing access only to authorized users through JWT-based authentication

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Programming Skills: Typescript, Golang, SQL, MongoDB.
Other: Git, HTML, CSS, JavaScript / Typescript, Heroku, Netlify, Google Kubernetes Engine, firebase, Mongo DB, Moongose,Node.js, Jest, Docker, Docker-compose, Kubernetes.