Ajay Kota

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Objective

Aspiring Full Stack Web Developer seeking to leverage proficiency in JavaScript, React, competitive programming skills in Java, and diverse database knowledge to contribute effectively to web development projects. Driven to continuously learn and apply newfound knowledge to transform inspiration into envisioned projects.

Education

Vigan University - Guntur, Andhra Pradesh
B.Tech. in Computer Science and Engineering
CGPA: 8.1/10.0

Technical Skills

- **Languages:** c, Java, Python(basic), JavaScript

- **Web Technologies/Frameworks:** React, Typescript(basic), Express, Redux, webTRC, Spring Boot(basic), Next.js(basic)

- **Databases:** SQL, MongoDB(basic)

- **Developer Tools:** Github, Linux(basic), VScode, Copilot, ChatGPT, Figma, Firebase

Certifications

- **The Complete 2023 Web Development Bootcamp** – Udemy

- **AWS Cloud Practitioner Certificate** – AWS

Projects

Quotes Web App ⍟

- A full-stack social media web application to share quotes with friends daily.

- Backend for this project is fully automated serverless backend **Firebase** and it was integrated into project using **Firebase SDK**

- Single sign-on implementation with fully automated **Firebase Authentication**.

- Implemented dynamic route handling with **React Router**. App-like feel due to state management using **Redux**.

- Wrote logic to make users connect with friends, share and receive quotes daily.

VServe ⍟

- A serverless database project inspired by Firebase and Amplify. SDK targeting **React** library.

- Created a **Frontend SDK** to handle API requests in **Typescript**.

- Implemented password hashing with **Bycrypt** and session management with **JWT**. The **Middleware** handles authorization for each request with the help of both **Access and Refresh** tokens.

- The **Express.js** server in a **Node.js** environment utilizes **Mongoose ORM** to seamlessly perform CRUD operations on the database.

- Vserve leverages **MongoDB**, a powerful NoSQL database, to efficiently manage and store large volumes of unstructured data.

Unlimited Storage with Discord ⏻

- A project that leverages **Discord API** to store and retrieve files. It uses **Multer package** to slice each file into 8MB files cause Discord API can be used with small files.

- The **Discord package** is used to connect to a designated Discord channel, utilizing a token and channel ID for authentication.

- Links to all chunks of a single file are then posted in a separate channel, accompanied by the original file name and format.

- During download, the file chunks are asynchronously retrieved and combined to recreate the original file in the desired format.

- The backend is set up using an **Express.js** server, with a single-page application built in **React** and styled using **Bootstrap**.

Co-Curricular Activities And Hobbies

- **Building Side Projects** – Reflects passion for coding and experimenting with new technologies.

- Volunteered to build **Vignan Electives (ongoing)**, a MERN stack project under the guidance of Mr.Vijaya Babu for **VFSTR CSE Dept**

- Participated in Hackathon in dept fest in 2023

- Plays basketball

- Watches web series and movies

Leadership and Achievements

- **VFSTR Mahotsav Hackathon:** Team Lead / Frontend Developer

- **Industry Defined Project:** Team Lead / Project Design and Developer

- **VFSTR Scholarship:** Got **75%** Scholarship for graduation from our University

- **Joint Entrance Examination (Mains): 95.52** percentile

- **Business English Certificate Vantage:** Overall Score **170** out of 190

Personality Traits

- Eager to learn and adapt

- Detail-oriented

- Quick Learner and goal-oriented

- Committed to continuous learning

Experience

Teaching Assistant
Serving as a Teaching Assistant for **Object-Oriented Programming (OOP) in Java**, providing academic support and guidance to students. Responsibilities included assisting with course material, clarifying concepts, and helping students with coding assignments. I receive a stipend for this role as recognition for my contributions to student learning and course facilitation.