Amandeep Dembla

📱 (91) 7357783930 ✉ vivekdembla1@gmail.com 🏠 Gurugram, Haryana, IND
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SKILLS

- Frontend: Next.js, React.js JavaScript, Redux, React Native, Jest, HTML, CSS, Material UI, TailwindCSS.

- Backend: Node.js, Nest.js, Express.js, Typescript, Microservices, RabbitMQ, Redis.

- Database: SQL, MongoDB, MongoDB Pipeline, Google Firebase.

- Miscellaneous: AWS, C++, Java, Object oriented programming, DBMS, JIRA, SonarQube, Git, Confluence.

EXPERIENCE

Real time data services *(Software developer)*   **Gurugram, Haryana** *December 2022 - Present*
Next.js, React.js, Nest.js, Node.js, Microservices, Redux, MongoDB, React Native

- Implemented **RBAC**(Role-Based Access Control) in public cloud portal to enhance security and scalability fulfilling the requirement of nearly 80% users.

- Developed a user-friendly interface in **Next.js**(v14) for **Kubernetes-as-a-service** using rancher and **Database-as-a-service** using kubeDB.

- Built a SaaS application for Identity and Access Management (IAM) using a **microservices architecture**, through **React.js**, **Node.js** and **MongoDB**, incorporating features like **single sign-on (SSO)**, **multi-factor authentication (MFA)**, and **password-less login**.

- Designed a **push notification** application in **React Native** enabling authentication through registered mobile devices and eliminating password dependency, adopted by 90% of users.

- Architected a secure and seamless **reseller portal** for **MSSPs**, enabling resellers to sell software and facilitating efficient communication with the sales team.

Quantum IT *(Android developer intern)*   **Noida, U.P.** *February 2022 - August 2022*
Android, Kotlin, XML, Firebase

- Designed and implemented a data storage solution using **Room database**, improving app performance and efficiency by 30%.

- Engineered an innovative Android application providing natural remedy solutions for common ailments, utilizing **Kotlin** and **XML** in Android.

- Conducted technical interviews for Android Developer roles, evaluating candidates' proficiency in Android development frameworks and problem-solving abilities.

PROJECTS

builder.AI *Reactjs, Nestjs, WebContainer, OpenAI*   **Frontend Backend**
- Implemented an AI-driven code generation tool that dynamically creates both frontend (**React.js**) and backend (**Node.js**) code based on user prompts using **OpenAI APIs**.

- Built a robust backend with **NestJS** to handle API requests, process user inputs, and interact with OpenAI APIs for generating code.

- Integrated **WebContainer** technology to render and execute both frontend and backend code directly in the browser, providing instant previews of the generated designs.

- Implemented a feature to download the entire project as a zip file, allowing users to easily obtain the generated code for local development.

Snacks bar *Android, XML, MVVM*   **GitHub**
- Developed a local food delivery application from scratch for my town using **Kotlin** and **XML**, **acquiring 100+ downloads within the first month** of release.

- Utilized **Firebase Cloud Messaging** to successfully send push notifications, enhancing user engagement.

- Implemented **Room Database** to efficiently store and manage cart items in the application's data, resulting in improved performance and streamlined data retrieval.

ACHIEVEMENTS

- Scored **Rank 1** / 1,112 in CodeStudio weekly contest 42

- Consistently contribute technical insights through **blog** posts on **GeeksforGeeks**. Check out my profile here.

- Solved **1000+** problems in Leetcode, GFG, HackerRank, etc. Currently a **Top scorer** on GFG in my institute.

EDUCATION

Bachelors of technology   **New Delhi, India** *August 2019 - June 2023*
Guru Tegh Bahadur Institute of technology • Major in Computer Science and Engineering • 9.065