Khurram Ayubi Butt

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 kayubibutt | khurramayubi | khurramayubi.github.io/

SKILLS

Javascript | Typescript | HTML5 | CSS3

Node.js/Express | PostgreSQL | MongoDB | React.js | Firebase | Tailwind CSS

EXPERIENCE

NexJ Health   **March 2021 - October 2024**

Software Developer   *Toronto, ON*

- Worked in an agile environment, using **JavaScript**, **Node.js**, and **MongoDB**. Developed intuitive UI workspaces using a React like component based framework. Ensured code quality with Test-Driven Development using **Puppeteer** and **Mocha**. Actively participated in pair programming sessions and contributed to design discussions and code reviews.

- Engineered and deployed a message templates feature, optimizing message creation by eliminating the need for manual copying from a spreadsheet. This initiative led to a **50% decrease in errors** and a **30% improvement in message consistency**.

- Engineered a reporting feature to track batch messages sent on the platform with advanced filtering options, **saving 30% of the time** previously spent on manual tracking and enabling more effective oversight of messaging activities.

- Implemented a robust password lockout and account deletion mechanism to align with Apple's stringent requirements. This enhancement ensured enhanced security measures.

- Expanded Bluetooth integration capabilities by incorporating support for blood pressure monitors and SpO2 readers using the Validic SDK. This extension facilitated seamless logging of vital measurements **saving users 40% of their time per measurement**.

PROJECTS

ExamBlitZ   **June 2024 - Present**

- Developed an intelligent exam preparation platform, ExamBlitz, leveraging **Google's Gemini API** to generate personalized exams tailored to user-selected topics and learning goals.

- Engineered a robust backend using **Node.js** and **Firestore**, supporting real-time exam creation, grading, and adaptive learning by dynamically adjusting future exams based on user performance.

- Implemented a seamless authentication system with **Firebase Auth** and integrated **RevenueCat** to manage subscription-based monetization, ensuring a scalable and user-friendly experience.

- Designed interactive performance tracking features with trend analysis and visual insights, allowing users to identify weak areas and improve efficiently.

- Built a cross-platform front end in **Flutter**, optimizing UI/UX for a smooth mobile experience while maintaining full-stack ownership of the project.

Design Snap   **Jan 2025 - Present**

- Developed a design suggestion platform built with **React**, **TypeScript**, **Tailwind CSS** and **Vite**, enabling users to compare and improve decision-making through an interactive grid-based interface.

- Developed a **Node.js** backend with Gemini API integration, implementing retry logic for API stability.

- Implemented a one-click style export feature, allowing users to copy styles as a CSS stylesheet, with future expansion to Tailwind and Flutter themes.

- Optimized performance and responsiveness, ensuring smooth rendering of design layouts across devices.

Mosque Aisha   **May 2020 - Present**

Full Stack Developer   *Niagara Falls, ON*

- Developed a comprehensive website for Mosque Aisha using **HTML**, **CSS**, **JavaScript**, and **Bootstrap**, featuring contact details, services, projects, and a news/events section to keep the community informed.

- Built a **Node.js** and **Express** backend with a **PostgreSQL** database to support various mosque admin functions, including tax invoice system for donation receipts and a prayer time update system for quick modifications. This automated admin operations, reducing manual work and improving efficiency.

- Developed a Smart TV Android app using **Java** in **Android Studio** to display prayer times and mosque updates for visitors.

EDUCATION

Bachelor of Science in Computer Science   **Sep 2018 - May 2020**

Concentration in Software Engineering

Brock University   *St. Catherines, ON*

Bachelor of Science in Medical Sciences   **Sep 2014 - Apr 2018**

Brock University   *St. Catherines, ON*