Edlan Kuo

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SKILLS

Languages: JavaScript, SQL, TypeScript

Technologies: Nest.js, Next.js, Prisma/Drizzle, React, React-Native Expo, TailwindCSS

EXPERIENCE

Formosa Plastics Corporation   06/2024 - 12/2024

Software Engineer - Point Comfort, TX

- Revamped and migrated the department's intranet site from Joomla to WordPress & React, elevating user experience and ensuring easy site maintenance for non-devs to make quick updates.
- Enabled secure user authentication by integrating SAML (Security Assertion Markup Language) with Active Directory, reducing unauthorized access in change request form submissions by 30%, enhancing department workflow and compliance.
- Facilitated weekly stand-up scrum meetings to keep the team informed of progress, obstacles, and new discoveries, ensuring the team stays up to date with development.
- Implemented a mobile safety accountability app for 500+ employees, improving the tracking of persons in case of emergency, leading to enhanced safety measures and quicker emergency response.
- Streamlined a document management system for organizing department SOPs, reducing search time by 50%.

Freelance   12/2022 - 09/2023

Software Engineer - Austin, TX

- Boosted the company's online presence by developing responsive websites, leading to an increase in website traffic and improved conversion rates.
- Collaborated with other freelance developers through assisting on implementation of native mobile features regarding push notifications, native maps, and deployment.

PROJECTS

IntelliCourse.AI

Technologies: TypeScript, Next.js, TailwindCSS, Nest.js, Prisma ORM, Supabase

- Developed a full-stack SaaS learning platform utilizing the power of AI to generate a course roadmap with detailed subunits and chapters for users to learn new topics easily.
- Leveraged OpenAI and YouTube's API to query the most relevant video for each chapter. A video summary and quiz is also generated based on the contents of the video for additional reinforcement on the topic.
- Migrated backend architecture to a standalone Nest.js application, reducing the time to generate course contents by 50%.

Lingua

Technologies: Typescript, React-Native Expo, Drizzle ORM, Supabase

- Developed a full-stack mobile chat application utilizing AI for live message translations for users to be able to chat in their native languages, overcoming language barriers.
- Prompted AI to allow message translations to incorporate native language slang and freedom to reword if necessary to ensure the translations sounded as if from a native speaker without jeopardizing the message contents.

One-Send

Technologies: Typescript, Nest.js, GCP, Github Actions

- Collaborated on a full-stack encrypted document sharing service utilizing facial ID to secure the contents of files ranging from images to PDFs.
- Implemented a file encrypting and image resizing service to ensure files are properly stored with size optimizations to increase application speed with efficient use of database resources.

EDUCATION

Certificate of Professional Full Stack Software Development

Alchemy Code Lab - Portland, OR (Remote)

Bachelors of Science in Hotel Restaurant Management

University of Houston - Houston, Tx