

Edlan Kuo

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SKILLS

Languages: TypeScript, JavaScript, SQL

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

EXPERIENCE

Digital Uprising LLC

12/2024 - Current

Software Engineer (Contract) - Austin, TX

- Spearheaded the end-to-end development of an internal account management platform using **Next.js**, **Nest.js**, **TailwindCSS**, and **Prisma**, significantly streamlining company-wide operations to overcome longstanding bottlenecks that decreased average time for the team to troubleshoot client queries by 80-90%.
- Collaborated with stakeholders to continuously iterate on features to ensure alignment of technical solutions with evolving operational needs.
- Established a GitHub branching strategy to enforce environment separation to maintain high code quality across development, staging, and production workflows.
- Deployed various modern technologies, such as **Supabase** for real-time messaging and data storage, and **Clerk** for robust authentication and user session management—enhancing app responsiveness and security.
- Identified the optimal telecom provider by integrating and evaluating **APIs** (Twilio, Vonage, etc.), comparing delivery success rates, short code support, cost structures, and webhook reliability.

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.
- Developed a mobile safety accountability app using React Native 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%.

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%.

One-Send

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

- Gained hands-on experience with Google Cloud Platform for secure file storage using Cloud Storage, while learning CI/CD fundamentals with GitHub Actions for automating builds and backend deployment workflows.
- 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