Juan Cardenas

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EDUCATION

Western Governors University — Millcreek, UT
Bachelor of Science, Software Engineering — *Mar. 2024*

Georgian College — Barrie, ON
Ontario College Diploma, Business Accounting — *Aug. 2023*

EXPERIENCE

Undergraduate Research Assistant — Jun. 2023 – Present
Freelance — *Toronto, ON*

- Engineered a robust REST API using Nodejs and Express, simulating financial markets with real-time tracking of user bids and asks.
- Leveraged PostgreSQL by creating a robust data retrieval system with PostgreSQL, resulting in a substantial increase in data processing speed and improvement in overall system efficiency.
- Architected and implemented a secure JWT authentication flow, incorporating both access and refresh tokens to maintain user sessions.
- Built a front-end SPA on top of React, TailwindCSS, and Redux resulting in a highly interactive, user-friendly platform that enhances customer engagement and satisfaction.

Application Developer — Jul. 2020 – Oct. 2021
ESAR — *Remote*

- Overhauled ERP systems for hospitals by creating full-stack applications on top of React and Express, ensuring faster, accurate, and reliable access to patient information.
- Elevated expanded service accessibility by migrating web-hosted learning platforms to more robust application frameworks, utilizing Redux for state management and Electron for desktop app integration.
- Achieved seamless integration of diverse web services and cloud data solutions through the development of a custom REST API, utilizing Express for robust server-side logic and Knex.js for query building and database management.

PROJECTS

Dine Line | *Nestjs, Express, React, Tailwind, MySQL, Redis* — Jan. 2024 – Present

- Produced a robust REST API specifically tailored for a food-ordering service, utilizing Nestjs and Express, handling intricate operations, such as order management, menu navigation, and ensuring efficient, reliable, and scalable service delivery.
- Developed a custom Content Management System (CMS), enabling seamless menu updates, pricing adjustments, and promotional content management through WebSockets.
- Orchestrated the implementation of a secure and seamless Stripe integration for payments, enabling efficient, and uninterrupted transaction processing.
- Crafted a modern, responsive front-end using React and TailwindCSS, delivering an exceptional user experience with an intuitive, mobile-friendly interface.

Active Quest | *Nestjs, Express, React, TailwindCSS, PostgreSQL* — Jan. 2024 – Mar. 2024

- Engineered and launched a full-stack web application using Nestjs, Express, React, and TailwindCSS, enabling users to create, monitor, and visualize workout progress.
- Crafted an advanced, automated email notification system leveraging Nodemailer and BullMQ, integrated with Handlebars and MJML for responsive, customized email templates.
- Architected and established a robust user authentication and authorization mechanisms, ensuring secure access and protecting user data.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Java, Go, SQL (Postgres, MySQL), HTML/CSS
Frameworks: React, Nodejs, Nestjs, Express, Angular, Spring
Developer Tools: Git, Docker, VS Code, Visual Studio, IntelliJ, Insomnia
Certifications: AWS Certified Cloud Practitioner, Axelos ITIL4