

Miguel Mendez

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US Citizen in Dallas, TX

Education

B.S. in Computer Science from The University of Texas at Dallas in TX

Graduated May 2023

Work Experience

Software Engineer at Liberty Mutual

Jun. 2025 – Curr.

- Software Engineer at liberty Mutual working on fraud detection

Software Engineer at Thrasher Associates

Sept. 2022 – Mar. 2025

AmnestyOne.com | Human rights advocacy platform

- Built a platform showcasing political prisoner cases, empowering users to advocate for their release by sending hand written letters to members of Congress through our website, using React, Next.js, JavaScript, HTML, and CSS
- Implemented Stripe checkout sessions and automated fulfillment processes with TypeScript and Node.js, enhancing the platform's e-commerce functionality and streamlining transaction user flows.
- Engineered the backend for AmnestyOne by integrating third-party APIs to automatically identify congressional representatives based on user data, enabling a seamless letter-writing process.
- Developed REST API endpoints using Express.js and Node.js, ensuring efficient data access and manipulation, and deployed on Amazon Web Services (AWS) for scalable performance.
- Developed a feature for uploading political prisoner biographies with image support, integrating AWS S3 for image storage and SQL (PostgreSQL) to store both image URLs and case profile data, enabling detailed and organized case profiles on the platform.
- Integrated Clerk for authentication and implemented role-based access control, developing secure admin dashboards to manage case profiles, advocate interactions, and key business functions.
- Applied modern software development practices by automating CI/CD pipelines with GitHub Actions, using Git for version control, and collaborating with stakeholders to ship new user features.
- Fortified application security by configuring firewall protections to mitigate DDoS threats and securing API endpoints against unauthorized access.

Values Cart | AI-driven ethical shopping assistant

- Led a team of 5 as Scrum Master, managing project scope and timelines to enhance team agility and project efficiency through effective sprint coordination while also actively making technical contributions.
- Designed and implemented a SQL (MySQL) database on Azure to store corporate brand data, integrating geographic and political affiliations to significantly improve data accessibility.
- Developed a Spring Boot-based Java backend for Values Cart's web reputation system, orchestrating Extract, Transform, Load (ETL) pipelines to process customer spending data from Amazon and align it with their ethical and political values.
- Integrated Python microservices for data extraction and analysis, enhancing system scalability and modularity.
- Optimized SQL database queries, reducing latency by 97%— from 10 seconds to 0.3 seconds per average query.
- Engineered a Chrome extension using JavaScript, HTML, CSS, Vite, and React, significantly expanding the application's user base and adding core functionalities that improved user experience

Projects

Business Reputation Protocol | *3rd place at the SMU HackTheChains hackathon*

Mar. 2024

- Led the development of a decentralized application for transparent employer reviews, earning 3rd place in a competitive field at the HackTheChains hackathon hosted at Southern Methodist University (SMU).
- Engineered a user-friendly frontend website, utilizing React, TypeScript, Bun.js, Web3modal, Wagmi.js, Solidity, and Foundry, to facilitate seamless interaction with blockchain-based smart contracts.
- Created a platform for anonymous company reviews deployed on an Ethereum testnet, utilizing an EVM-compatible decentralized network to ensure transparent and reliable evaluations of business reputations.