ANDREW ALVAREZ

Full Stack Developer

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As a well-rounded developer with hands-on experience and a passion for new technologies, I have a keen interest in financial technologies, payment systems, and business development. My expertise includes web technologies, UI/UX, and art direction, allowing me to create engaging and efficient user interfaces. I thrive on the intersection of technology and business, aiming to drive growth and innovation

ENG | ESP | ASL

WORK EXPERIENCE

PEGASUS AI

System Architect & Fullstack Developer | Oct 2023 - Jul 2024

- Cofounded, Architected, and developed CRM/ERP enterprise software with e-Commerce integration Startup Business - PERN stack
- Implemented Payment Processing System & Payment Gateway for cryptocurrency transactions, integrating to Web3, andaugmenting profitability on the business model
- Developed a comprehensive scheduling system with robust backend support and a fully functional UI (leveraging react-big-calendar)
- Built a Design System Library to optimize front-end implementation and collaboration with design team
- Led a team of 5 (development, graphic design, AI) and coordinated integration of their corresponding platforms (Core Applications, AWS, Starburst, Figma)
- Oversaw project financial planning, executive summaries, P&L statements, and capital investment outreach

NUVOOLA AI

Full Stack Developer | Sep 2021 - Apr 2024

- Participated as the lead front-end developer in 3 proprietary projects for JRV, NB Southern Railway and Canadian Department of National Defence
- Developed and integrated custom applications into a scheduling system for events logging and management, leveraging an AI-driven centralized system to optimize scheduling and enhance efficiency
- Implemented and maintained several modules on the front-end and implemented data gathering features as well as interactive components to enhance user experience

COTEACHER

Full stack Web Developer | Feb 2021 - Sep 2021

- Expanded the functionality of the application, presenting solutions tailored to the needs of the US educational system
- Building several UI components and expanding the Design System for the frontend successfully enhanced interactivity and improved user experience
- Designing and refactoring the back-end components optimized the architecture and database workflow, enabling the containerization of the platform and improving the deployment infrastructure on the cloud service
- Engaging with prospective clients to showcase the product's capabilities and features, while surveying potential users for feedback

EON MEDIA

Golang Video Developer | Apr 2020 - May 2021

- Developed a proprietary solution to improve current media standards and delivering Net-Zero Latency Adaptive Streaming
- Designed software for Dynamic Ad Insertion (DAI) adding SCTE-35 standard
- Leveraged third-party programs like NGINX, Ffmpeg, VNC for media support
- Designed and built a platform-agnostic solution with a backend server deployed on Google Cloud Platform and Amazon Web Services
- Built Frontend platform with Media Source Extensions for video players that supported HLS/DASH protocols and RTMP low latency streams

SAY.IS - YORK U

Jr. Frontend Developer - Smart Contract Advocate | Jul 2017 - 2019

EDUCATION

Cyfrin Updraft

Web3 - Solidity - Blockchain - Smart Contract Development & Security | 2024

SENECA Polytechnic

Diploma - Computer Programming, GPA 3.9 | 2019 - 2021

FreeCodeCamp | Treehouse | Pluralsight

Frontend Web Development - Computer Programming - IoT - Systems Networking & Telecommunications - Advanced Node.js - Web Payment API | 2017+

SKILL STACK

Languages: JavaScript, Node.js, TypeScript, Solidity, C++, GO, Python, SQL

Frontend Technologies & Frameworks - HTML5, CSS3, React, Redux, SASS, jQuery, Next.js, Electron.js, Web Payment API, Web Animation API, Framer Motion, SVG, MaterialUI, Bootstrap, KendoJS, Flexbox, CSS Grid, Jest Testing Library, Media Queries & responsive design, D3 Data Visualization, Web Accessibility

Backend Technologies - Express, Flask, Django, NGINX, Axios, HTTP, RESTful API

System & Operations Technologies: bash, Docker, git & Github, Linux, Unix, npm, TDD, Jira, Agile/Scrum

Blockchain Technologies - Remix, Smart Contracts, Bitcoin Payment API

Cloud Services - AWS, Google Cloud Platform, Firebase, Azure, Heroku

Databases & ORM - MongoDB, PostgreSQL, Sequelize, Oracle

Media - Ffmpeg, Adobe Photoshop, Affinity Designer