Jay Cruz

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EDUCATION

Associates of Arts Computer Science   Graduated
College of Southern Nevada   Las Vegas, Nevada

EMPLOYMENT

12B Combat Engineer   05/2018 – 05/2022
US Army   Fort Drum, NY
- Team Leader, responsible for managing 3 personnel and overseeing $500k+ worth of equipment.
- Coordinated operations and logistics by working closely with senior leaders across multiple teams
- Led technical training sessions for team members, focusing on diagnostics, troubleshooting, and effective use of technical manuals.

TECHNICAL SKILLS

Languages
JavaScript, Python, SQL, C++, MIPS and x86 ASM

Technologies/Frameworks
React, Next, Redux, Zustand, TanStack Query, NodeJS, Tailwind, Django, FastAPI, PostgreSQL, SQLite, Make + Zapier, Git

NOTABLE COURSEWORK

Intro to Linux & System Administration (RHEL & Ubuntu)
Covered Linux origins, file system, user commands and utilities, manual pages, GUI, shells, server configuration, and user management.

Systems Analysis & Design (SDLC & Jira)
Learned techniques for gathering user requirements and translating them into design specifications. Familiarized with the Software Development Life Cycle and utilized Jira for ticketing.

Database Concepts and SQL (MySQL & SQLite)
Mastered data modeling and relational database design principles. Gained hands-on experience with Structured Query Language for querying and managing databases.

PROJECTS

useBullish
(React, Django) -Deployed
Follow the stocks you care about, keep them in a watchlist, and uncover whether the market is bullish or bearish with sentiment analysis from a Natural Language Process Model (NLP).

useBeatBot
(Next.JS, Supabase, FastAPI) -Deployed
Engineered a full-stack music gen platform with real-time database synchronization, and AI-generated music using Hugging Face's MusicGen API hosted on Modal with FastAPI python, and both SSR and SSG using Next.js.

useMap
(React, TanStack Query, React Router FW) -Deployed
Developed an interactive geolocation web application using MAPBOX API for mapping, enabling users to visualize travel markers. Implemented state management with Zustand, routing with React Router FrameWork Mode, and responsive design using Tailwind.

CERTIFICATIONS

Google Cybersecurity Professional Certificate - Coursera
2024

Securities Industry Essentials - FINRA
(Work in Progress)

Docker Foundations Professional Certificate - LinkedIn Learning
(Work in Progress)