

Alexander Cruciata

Personal Information

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Summary

Highly skilled Blockchain and Bot Developer with over 5 years of experience, specializing in Solana and Crypto Trading Bots. Self-driven and relentless learner with a strong foundation in computer architecture and systems. Proven expertise in Solana platform and proficient in Rust programming language.

Have a proven track record of creating trading bots with automated buy and sell order execution, real-time market data analysis, customizable trading strategies, and effective market value management.

Known for a meticulous approach to coding and a passion for leveraging technology to drive business success.

Education

University of Palermo | Palermo

Bachelor's degree in computer science 2015 - 2019

Codemotion | Palermo

Full time program in Web Development 2015

ITET.G CARUSO Institute of Technology | Alcamo

Diploma in Computer Science 2010 - 2015

Work Experience

Bot Developer | Freelance | 2022 – Present

- Designed and developed an AI Chatbot for a customer service application, resulting in a 30% reduction in customer service inquiries and a 20% increase in self-service usage.
- Worked with clients to gather requirements and deliver tailored bot solutions.
- Developed custom automation bots to streamline business processes.

- Provided technical support and troubleshooting for deployed bots.

Blockchain Consultant & Developer | SISPI | 2020 – 2022

- Successfully developed and deployed multiple smart contracts and backend services on Ethereum and Hyperledger platforms.
- Developed secure wallets and offline transaction signing mechanisms for various cryptocurrencies, including EOS, XRP, LUNA and Cosmos, and successfully integrated exchange with these networks.
- Configured an off-chain swapping API using Node.js.
- Advanced backend services development to provide API services for the frontend.
- Developed a hierarchical deterministic (HD) wallet system with Java, integrating BitcoinJ library for Bitcoin and Tron's wallet-cli for Tron.

Junior Software Developer | WEBDEV Company | 2019 – 2020

- Assisted in the development of web applications using JavaScript and PHP.
- Participated in code reviews and contributed to the improvement of coding standards.
- Collaborated with senior developers to design and implement new features.

Skills

- Professional

- Communication
- Critical Thinking
- Work Under Pressure
- Building Relationships

- Technical

- Languages : C/C++ | Java | Python | HTML/CSS | JavaScript | PHP | Solidity | Rust
- Blockchain Development: Ethereum, Hyperledger, Solidity, Smart Contracts
- Bot Development: Chatbots, Automation Bots, Telegram & Discord Bots,

Crypto Trading Bots

- Frameworks: React | Node.js | Next.js | Flask | Laravel | Material-UI | Web3
- Developer Tools: Git, Docker, Google Cloud Platform, VS code, Visual Studio, Eclipse

Projects

- **Solana Raydium Bot** : Developed a solana raydium bot using Solana and Python. This bot is based on the solana and fetches the real-time trading data from raydium pool using WebSocket RPC.
- **AI PNL Bot** : Developed a solana PNL bot using Solana and Web3.js. This bot analyzes the specific token and observes the PNL price of token using CoinMarket API and Web3 API.
- **Fatal Chatbot** : Operated by a cosmetic company, represents a cutting edge initiative designed to drive product sales and offer intelligent product recommendations. This advanced chatbot possesses an extensive knowledge base encompassing all the products in the company's cosmetic lineup. The Fatal Chatbot serves as a virtual sales assistant, capable of not only facilitating seamless product purchases but also providing customers with precise and informed recommendations. With its comprehensive understanding of the entire product catalog, the chatbot can swiftly guide customers through product inquiries, offer detailed information, and assist with the purchase process, thereby creating a frictionless shopping experience.
- **Raydium SDK Swap** : This project demonstrates how to perform a token swap on the Solana blockchain using Raydium and Chainstack. The example specifically illustrates swapping SOL (native Solana token) for USDC (a stablecoin).
- **Big Sky Lodge Website(AdminPanel)** : Developed a fast, resilient, and scalable Motel Management System through NodeJS and Kubernetes for a lodge with over 30 rooms to track and record over 3,000 yearly reservations, generate financial reports, and handle daily operations. Constructed the hotel's website and management system's frontend with React-Redux, WebSocket, and MaterialUI. Deployed the application as a microservice infrastructure through Digital Ocean's Kubernetes, backend and database servers, proxies, and object

storages to serve over 100 application requests per day during the summer months. Utilized the software application to solely manage the lodges' everyday operation at over 80% average occupancy including overseeing check-ins, staff of six housekeepers, room maintenance and standards, and customer satisfaction.

- **Villa Luxe Hotel(Front-end)** : Villa Luxe is a hotel website that can be used for online reservations. Built using the TALL Stack: Tailwind CSS3, ReactJS, Livewire2, Laravel. I actually made the UI here myself using Tailwind CSS and ReactJS without using any templates at all.
- **Bus-Ticket Booking System** : A centralised bus ticket booking system that will allow the students to book tickets in advance through an online website, saving time and effort. Students will no longer need to physically stand in long queues to purchase tickets. The ticket booking system will provide a user-friendly interface where passengers can search for available routes, select their desired travel date and time and make secure online payments. Built using the ReactJS, NestJS and MongoDB.
- **VeggieVille (Front-end & Back-end)** : This project is online shopping for grocery (Vegetables and fruits) fresh from farmers which is build using Reactjs and backend as Firebase Cloud, featuring a user-friendly interface, essential functionalities like user registration, login, shopping cart. The platform is built on the React.js framework and employs technologies such as CORS, Axios, and Mongoose.