Jeremy Alkire

Programmer & Instructor

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Website / Portfolio

CAREER OBJECTIVE & SUMMARY

Please take a look at my portfolio, at https://www.jamesevolution.com/

I'm a full-stack software developer who began his coding journey at 9 years old. Son to a software architect who began mentoring me in the field from a very young age. I've been programming for 20 years and teaching others to code for 6. I've 2 years of experience as a professional software developer, and 4 years of professional experience as a programming instructor. I code on a daily basis academically, professionally, and recreationally.

I've written software for a variety of clients (including celebrities), worked with multi-million-dollar projects, and built full-stack web applications in both Java (with Spring) and JavaScript (with React/Next.js). I've additionally developed and deployed security software to protect my clients from hackers, scammers, and other cybercriminals in the crypto & web3 industry.

The websites I've built have been released to and used by tens of thousands of users and handled real-world financial transactions on the Ethereum network. The bots I developed similarly protected tens of thousands of users from bad-actors that sought to steal their assets and drain their crypto wallets.

My experience consists of building full-stack websites, desktop applications, browser extensions, web scrapers, mobile apps, browser games, Discord bots, Twitter bots, desktop overlays, executables, custom terminal commands, voice-assistants, and more.

If there are any technologies that I do not yet know that a company would like me to master, I am more than willing to expand my skillset and learn whatever is necessary to excel in my position and complete my tasks.

EXPERIENCE

FULL STACK DEVELOPER & SECURITY LEAD — MegaVolt Corp
Remote, *August 2021 – August 2023*

- Developed one the most effective and sophisticated security bots in the web3/NFT industry for one of OpenSea's top-100 all-time NFT projects that reached 25 million USD in trading volume. The security bot was developed to protect the project's 28,000+ member strong server from hackers, scammers, and malicious bot raids - often launched from foreign countries. Coded to identify and ban any bad-actors it could find. Since development, it has banned tens of thousands of bad actors that sought to infiltrate the server. It boasts an automatic detection & banning algorithm as well as commands that allow for manual operation of its security features.

- Built numerous full-stack web applications for the company that utilized React.js, Next.js, Ethers.js, web3.js, Lotti, and other technologies alongside two other developers.

- Built applications released to and used by tens of thousands of users that handled and facilitated financial transactions on the blockchain (Ethereum network.)

- Developed a Python bot that scanned and filtered blockchain data from the Ethereum network and monitored smart contracts for specific events, which the bot then posted to a Discord channel via webhook integration.

- Competed for the company in a team of three at the ETH San Francisco Hackathon and built the first iteration of "DuckGod" there. Built in Next.js/React.js and utilizing numerous third-party libraries from event sponsors. We won a few small prizes here. Continued development of this project until its completion, hosted at https://duckgod.supducks.com/
- Developed three different automated sales-bots that used both web-scraping and API requests to pull NFT sale/listing data from the OpenSea marketplace and post the results to Discord.
- Developed a bot capable of streaming audio from third-party websites to voice and stage channels in Discord.
- Wrote a Python application that procedurally generated thousands of images from JSON data and corresponding assets.
- Wrote a Python application that retrieved and parsed JSON data from non-fungible token collections stored on the Ethereum network.
- Regularly debriefed staff members on security threats and precautionary measures.
- Developed a bot that posted NFT sale data to Twitter.
- Developed numerous other community engagement bots for public usage.
- Performed risk analysis and formulated custom-coded solutions to any new attack vectors developed by bad actors targeting the company's server.
- Configured ticket-systems and a ban appeals server, as well as automatic invitations to the server during the banning process.

FREELANCE PROGRAMMER & INSTRUCTOR

Remote, *September 2020 – June 2023*
For the past three years I've additionally worked as a freelance programmer and instructor via Wyzant and Upwork. During this time, I have:

- Developed and deployed security bots for a variety of projects in the web3/crypto industry, including celebrity-run NFT projects.
- Worked as a security consultant in the web3/crypto industry.
- Developed full-stack progressive web-applications for managing customer & order information.
- Developed instant-messaging applications.
- Configured & managed Discord servers that boasted thousands if not tens-of-thousands of members.
- Tutored college-level students and helped them with their upper-level programming projects.
- Tutored Harvard students.
- Accepted long-term clients as students.
- Taught a variety of programming languages and technologies, including: Java, C#, HTML, CSS, JavaScript, Scratch, PHP, and SQL.
- Taught students to use third-party frameworks and APIs.
- Made updates to a D&D roleplaying & live-chat application.

COMPUTER PROGRAMMING INSTRUCTOR – Sunflower May Education

Remote, *October 2020 – June 2023*

- Wrote and developed the curriculum for three different programming courses: Python, Web Development (HTML, CSS, & JavaScript), and Scratch.

- Taught the aforementioned courses remotely via Zoom and ClassIn calls.
- Created coding exercises, examples, and projects.
- Offered personalized adjustments to the curriculum as necessary on an as-needed basis depending on student needs and skill-levels.
- Provided general career path advice to the parents of students.
- Created lesson summaries to document the details of each lesson for parental viewing.

COMPUTER PROGRAMMING INSTRUCTOR — TeeterPal
Remote, *July 2020 – June 2022*

- Wrote and developed the curriculum for 6 different programming courses. 3 on Python, 2 on Scratch, and 1 on Web Development (HTML, CSS, & JavaScript).
- Taught all six of the aforementioned courses (remotely) both in bootcamps and full-length semesters via Zoom calls.
- Created coding exercises, examples, and projects.
- Utilized a variety of teaching techniques, depending on the situation.
- Personally assessed student skill levels and modified teaching topics and approaches accordingly.

COMPUTER PROGRAMMING INSTRUCTOR — Golden Tiger Kung Fu & Extended Learning Academy
Remote, *September 2020 – August 2021*

- Wrote and developed numerous courses on Python, Scratch, and Web Development (HTML, CSS, & JavaScript).
- Taught all the courses listed above remotely via Zoom calls.
- Created coding exercises, examples, and projects for students to work through.
- Personally found, recommended, and trained a replacement instructor before leaving the company.

COMPUTER PROGRAMMING INSTRUCTOR — The Coder School
Flower Mound, TX, *October 2019 – October 2020*

- Taught a variety of programming languages to students, including Java, C# (Unity Engine), HTML, JavaScript, CSS, Python, and Scratch.
- As per the organization's expectations: Provided personalized lesson plans to students based upon their needs and skill levels, rather than following a one-size-fits-all curriculum.
- Taught both in-person classes and remote classes via Zoom.
- Created coding examples, exercises, and projects for students to work through.
- Spoke with parents to offer them insight into their child's performance and progress in the classroom.

COLLECTIONS AGENT — CBCS
Bedford, NH, *November 2015 – September 2016*

- Made outbound calls to consumers for sake of collecting debt. Responsibilities included verification of account information, identity of the caller, and the subsequent effort to create payment plans with the consumer.
- Made outbound calls to consumers for sake of collecting debt. Responsibilities included verification of account information, identity of the caller, and the subsequent effort to create payment plans with the consumer.
- Received inbound calls from consumers, in which I was tasked with addressing any questions or concerns they had.

- Filed and resolved consumer disputes.
- Participated in extensive real time data-entry both while on and off the phone. This was for the purpose of proper documentation of consumer phone calls.
- Managed and edited consumer accounts, as necessary.
- On occasion, spoke with attorneys regarding the debts of their clients.

EDUCATION

BACHELOR OF SCIENCE (B.S.) IN COMPUTER INFORMATION TECHNOLOGY CANDIDATE
— Brigham Young University - Idaho
Rexburg, ID, *Expected graduation Dec 2023*   GPA 3.75

Relevant Coursework

- CIT360 (Object-Oriented Development)
- CIT365 (.NET Software Development)
- CIT230 (Web Frontend Development)
- CIT240 (Networking)
- CIT225 (Database Design & Development)
- CIT270 (Systems Security I)
- CS124 (An Introduction to Computer Science)

ADDITIONAL SKILLS

- Object-Oriented Programming (OOP)

- Full-Stack Development (Web, Mobile, Desktop)

- Bot Development (Discord, Twitter)
- Web Frameworks: Spring Boot, Vaadin, ASP.NET, Bootstrap 5, Phaser3
- JPA (Java Persistence API) & Hibernate ORM

- IDE Software: Eclipse, Visual Studio, NetBeans, Android Studio, PyCharm, Atom, & Brackets
- Apache Tomcat & Web Server
- In Progress: React, Node, & Express

- Software (Programming): Postman, Blisk, FileZilla, GitHub Desktop, SourceTree, Visual Paradigm, DbSchema, MySQL WorkBench, VMware Workstation, Oracle VM VirtualBox, XAMPP, & WAMPP
- 120-170 WPM Typing Speed

- Programming Languages: Java, C#, Python, HTML, JavaScript, CSS, PHP, SQL
- .NET, MVC, Razor
- Web Scraping & Automation (Selenium, UI.Vision, & BeautifulSoup)
- Browser Extension & Game Development
- Databases: MySQL, MongoDB, MariaDB

- Libraries: JSON & GSON, JUnit, Discord.py, Selenium, BeautifulSoup, Microsoft Entity Framework, & countless more.
- Build Automation: Maven & Gradle

- Operating Systems: Windows & Linux
- Adobe Products: Premiere Pro, After Effects, Photoshop
- Software (Other): Unreal Engine, Unity Engine, Steinberg Cubase, Propellerhead Reason, Logic Pro, Office Products, Notepad++, & Slack