

Daniel Mandelli

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TECHNICAL SKILLS

Programming: PHP, HTML5, CSS, JavaScript, Python, C++, C, C#, Java, Solidity, SQL, ADA, VHDL, VBA, MATLAB

Technologies / Tools: Git, Docker, React, React Native, Bash, REST API, AWS S3, AWS Elastic Beanstalk, Firebase, QT, Node.js, Next.js, Express.js, Gulp, Directus, WordPress, Bootstrap 5, .Net, JQuery, GDB, Gulp, Blockchain

Computer Applications: Github, GitLab, Nginx, Apache, VS Code, Unity, Multisim, PSpice, Matlab, Microsoft Office

Operating Systems: Linux, Windows, Android, Ubuntu, MacOS, IOS, Chrome

Hardware: Raspberry Pi, Arduino Microcontroller, Altera FPGA, Electronics testing equipment

TECHNICAL EXPERIENCE

DECENTRALIZED INNOVATIONS, Software Engineer March 2024 - Present

- Integrated cross-chain exchange functionality using ChangeNow's Exchange API and on/off ramp solutions via the Guardarian API into React and React Native applications.
- Collaborated with engineers to develop a swap dApp leveraging Wagmi and AppKit within a React framework.
- Maintained scalable and reliable backend APIs across applications, ensuring the best performance and minimal downtime.
- Led iOS and Android deployment and testing efforts, ensuring seamless transitions from Beta to Production.
- Developed and maintained cross-platform software for Android, iOS (React Native), and Chrome extensions (React), ensuring consistent functionality across platforms.
- Implemented new features, optimized performance, and debugged issues to enhance UI and application efficiency for React, React Native, and dApp projects.
- Participated in Agile workflows, including daily standups and weekly sprints, to prioritize tasks and meet project deadlines.
- Deployed web applications using AWS S3 and Elastic Beanstalk, ensuring scalable hosting environments.
- Utilized GitLab for version control and collaboration, streamlining branching strategies, and code review processes for team efficiency.
- Gained hands-on blockchain development experience, contributing to decentralized applications and integrating blockchain functionalities and smart contracts into software solutions.

Webwise Technology, Founder / Web Developer January 2023 - Present

- Founded Webwise Technology, showcasing entrepreneurial initiative, strategic planning, and leadership.
- Spearheaded front-end deployment of static and dynamic websites using HTML, CSS, PHP, WordPress, and JavaScript frameworks like React to deliver engaging web experiences.
- Managed backend services with Docker containers and automated deployment processes using Bash scripting for efficiency and reliability.
- Developed RESTful APIs with Node.js and Express.js to facilitate seamless communication between frontend and backend systems.
- Leveraged Next.js for server-side rendering and optimized data handling with SQL databases for storage.
- Provided end-to-end website hosting services, including troubleshooting, maintenance, and bug resolution, ensuring uninterrupted site performance.

Vector Software, East Greenwich, RI

Software Engineer January 2019 - September 2022

- Full-stack development using Python and C++ to revamp VectorCAST/Coupling technology.
- Leveraged Python to create and execute comprehensive unit and system testing strategies, reducing code errors and improving overall product stability.
- Enhanced VectorCAST front-end interface using QT 4 -5 in C++.
- Designed and executed dynamic reporting interfaces using HTML, CSS, and Javascript.
- Worked with SQL to extract/query, loop, manipulate, and analyze large datasets.