

# Daniel Mandelli

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## EDUCATION

**University of Rhode Island**, Kingston, RI

Bachelor of Science in Computer Engineering, Dean's List 2015-2019

Nelson C. White Award recipient (Class Rank 2)

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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

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## TECHNICAL EXPERIENCE

**Internet Money**, Software Engineer

March 2024 - Present

- Developed high-quality software for Android and iOS platforms using React Native, along with the apps Chrome Extension using React, ensuring uniform functionality of new features across all platforms.
- Deployed web applications using AWS S3 and Elastic Beanstalk, ensuring scalable hosting environments.
- Utilized GitLab for version control, branching strategies, and collaborative development workflows, ensuring efficient code management and team collaboration participating actively in weekly sprints.
- Gained hands-on experience with blockchain development, contributing to decentralized applications and enabling integration of blockchain functionalities and smart contracts into software solutions.

**Webwise Technology**, Founder / Web Developer

January 2023 - Present

- Founded Webwise Technology, demonstrating entrepreneurial spirit and leadership.
- Managed front-end deployment of static/dynamic websites using HTML, CSS, PHP, Wordpress, along with JavaScript technologies like React for creating interactive web experiences.
- Maintained backend services utilizing Docker containers and automation through Bash scripting for streamlined deployment processes.
- Developed RESTful APIs using Node.js and Express.js to communicate between frontend and backend server.
- Utilized Next.js for server-side rendering and SQL databases for data storage and retrieval.
- Provided comprehensive website hosting services, including troubleshooting, maintenance, and bug fixing.

**Vector Software**, East Greenwich, RI

Software Engineer

January 2019 - September 2022

- Spearheaded 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.
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## PROJECTS

**Meal Match App Development**

May 2023 - Present

- Active development of Meal Match, a cross-platform mobile app using React Native for Android and iOS.
- Deployed features using a swiping interface recommend personalized restaurants or AI generated recipes.
- Utilized Google Maps API for restaurant data search and meal recommendations.
- Integrated Firebase services for user authentication, real-time database, and cloud storage.