

Ruben Valdez

Full Stack Engineer

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Tucson, AZ, USA

An Innovative Full Stack Engineer with over 4 years of experience developing progressive web applications. Known for prioritizing code efficiency and reusability. Easily adapts to new technologies and challenges. A team player and an excellent communicator.

Core Skills

TypeScript, JavaScript, Python, Node.js, Next.js, React.js, Redux, Express.js, HTML, CSS, NoSQL, SQL, Axios, Bootstrap, jQuery, Sass, Chai, Mocha, Jest, Unit Testing, D3.js, Data Visualization, Jupyter, MongoDB, Postgres, MySQL, MariaDB, MERN, MVC, MVVM, ORM, API, FastAPI, OOP, CI/CD, Git, Github, GitLab, Jira, Slack, Confluence, Agile, Team Collaboration, Attention to Detail, Problem Solving, Troubleshooting, Communication, Adaptability

Education

Glendale Community College

Sep 2020 - May 2025

Associate of Science Astrophysics
GPA 4.0

University of Arizona - Continuing & Professional Education

Mar 2019 - Sep 2019

Certificate

Full Stack Development Bootcamp
GPA 4.0

Languages

English (*fluent*)

Certificates

Full Stack Developer

University of Arizona

Sep 2019

Python Certification

Harvard University

Oct 2024

Work Experience

Full Stack Engineer

Oct 2022 - Sep 2024

[Quick Organics](#) | remote

Developed and improved SaaS applications to simplify the certification process for organic farmers and adapt to annual requirement changes from the FDA.

- Set the company standard for typesetting and led the initiative to implement custom TypeScript interfaces across all applications.
- Increased application performance by 30% by designing dynamic, reusable components in Next.js.
- Ensured PostgreSQL database accuracy through detailed migration files executed by Python server.
- Maintained team accountability for Agile and Jira standards in a CI/CD environment, leading to a 40% increase in productivity.

Lead Full Stack Developer, Instructor

Jan 2020 - Oct 2022

[Persevere](#) | Goodyear, AZ

Designed Full Stack applications using React.js, Node.js, Express.js and MongoDB in compliance with government security standards for classrooms within Arizona Department of Corrections facilities.

- Designed an adaptive automation script in Node.js to facilitate the migration of the internal Learning Management System (LMS) to a modern online platform (Moodle).
- Enhanced curriculum through the design of scalable applications to match increasing milestones in the education process.
- Recognized for outstanding performance with a 95% student success rate.
- Created Standards of Practice (SOP) policies, ensuring accountability for classroom security requirements company-wide.

Projects

Quick Organics Certification Assistant

Oct 2022 - Present

A versatile SaaS web application that assists organic farmers through the otherwise complicated certification process. Features include a certification questionnaire workflow, activity tracking, and document management.

Interests

Astronomy, Poetry, Martial Arts, Mindfulness,
Music Composition

- UX: User Interface dynamically populates certification questions through the use of reusable Next.js variables and nested components.
- Responsive: Leverages internal API to adapt modules and questions to match PostgreSQL migrations.
- Flexible: Innovative design allows for frequent changes to certification requirements to be addressed quickly and efficiently.

TPP - Transitional Production Plan

Oct 2023 - Sep 2024

A lightweight version of the Quick Organic Certification Assistant, designed as an introduction to limited features and targeted toward smaller farms, endorsed by the FDA.

- Responsive User Interface: An easy-to-navigate single-page application that leverages Next.js and Tailwind to create an accessible workflow across all screensizes.
- Live Updates: Utilizes state handlers and Docker to track user progress, allowing farmers to identify incomplete modules and preview PDF exports.

References

Rose Tovar

Lead Instructor for Persevere
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Rodney James

Chief Technology Officer at Quick Organics
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Janelle Rosenfeld

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