

Julissa E. Cotillo

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Full-stack Senior Software Engineer with extensive experience with Ruby and JavaScript. Adept at building impactful products with a focus on quality, performance, and user experience. Recognized for strong project management, system design, and a strategic vision that drives product development.

SKILLS

- Programming Languages: Ruby on Rails, Ruby, ReactJS, Python, JavaScript, SQL
- Technologies: MySQL, Bash, Git, Kubernetes, AWS, Docker, Sidekiq, Redis, Capybara, Google Cloud, PostgreSQL, SQLite, Pandas, Jupyter Notebooks, Numpy, HTML5, CSS3, TypeScript, GraphQL, Node.js
- Soft Skills: Project management, quality control testing, code architecture, system design, product planning, strategic vision, product development
- Languages: Spanish (Native), Portuguese (Level 2)

WORK EXPERIENCE

COAST TO COAST MANAGEMENT

Owner & Operator

Remote

October 2023–Present

- Achieved "Guest Favorite" status on Airbnb within 4 months by maintaining high levels of guest satisfaction and providing exceptional service.
- Created an AI-enabled app for handyman quote generation and quick invoice creation using OpenAI and Next.js, reducing response time for maintenance requests and improving overall guest satisfaction.

QUICKNODE, INC

Software Engineer

Remote

July 2022–October 2023

- Played a crucial role in the successful launch of the QuickNode Marketplace, overseeing the journey from pre-launch design to rapid bug resolution post-launch, contributing to the onboarding of 20 active partners with published add-ons by the time of departure.
- Designed and implemented a robust billing integration system with Stripe, enabling timely payouts to external partners and enhancing financial operations.
- Developed a scalable microservice with Ruby and Go to facilitate rapid on-demand load testing for API endpoints, significantly improving approval process for marketplace partner application.
- Authored comprehensive open-source starter repositories in [Python](#) and [Ruby](#), streamlining the onboarding process for developers to develop a new marketplace add-on.
- Spearheaded the front-end execution of Figma designs for the [marketplace partners' public page](#), employing HTML and TailwindCSS to deliver a responsive and visually appealing user interface in a responsive mobile to iPad viewports.
- Successfully minimized customer churn by overhauling the model architecture, which included decoupling installation records from subscriptions, thereby enhancing user experience and service flexibility.
- Implemented a dynamic add-on recommendation feature on the metrics page, leveraging TypeScript, GraphQL, Apollo, and React to provide personalized suggestions based on customer usage data, enhancing user engagement and upsell opportunities.
- Developed sophisticated data models and pipelines that underpin a revenue dashboard in Metabase, enabling precise tracking and analysis of marketplace metrics for data-driven decision-making.

- Integral member of the marketplace on-call rotation, responsible for swift incident response, urgent infrastructure management, and effective communication with key stakeholders during critical situations.

VERBA SOFTWARE BY VITALSOURCE

San Francisco, CA

Sr. Software Engineer

June 2017–March 2022

- Spearheaded a collaborative effort with a four-person engineering team to integrate GraphQL, Apollo, and TypeScript into the faculty interface of Verba Collect, enhancing the adoption collection system for over 290 universities nationwide.
- Optimized the adoption and distribution pipeline for VitalSource's digital content by developing a streamlined internal API, utilizing Ruby and React for improved efficiency and user experience.
- Partnered with UI/UX designers to modernize and release a mobile-responsive version of a legacy web interface, significantly improving accessibility and user engagement.
- Overhauled the logging infrastructure across beta and production environments for Verba Connect, implementing AWS CloudWatch and Sumo Logic to ensure meticulous monitoring and operational excellence.
- Provided critical support to customer success teams by rapidly resolving urgent issues, serving as the primary on-call engineer for the suite of products including Collect, Connect, Compete, and Compare on a rotational basis.
- Engineered a key internal integration system that intelligently matches physical textbooks with their most cost-effective digital counterparts, tailored specifically for individual bookstore inventories, thereby optimizing affordability and accessibility.

KIPU HEALTH

Miami, FL

Software Engineer

May 2015–October 2016

- Developed cron job manager built as a middleware between Sidekiq and Redis utilizing Ruby, reducing 100% of excessive (up to 2 hours) wait times for smaller background tasks.
- Built polymorphic scheduling system following factory design pattern in Ruby on Rails, allowing healthcare professionals to create recurring appointments to alleviate 15 min per form weekly for 500+ client instances.
- Improved management of > 10,000 patients by enabling asynchronous appointment updates with JavaScript.
- Eliminated n+1 queries for associated DB models using SQL which enhanced medical form rendering by 40%.
- Introduced integration tests to development workflow utilizing RSpec, Capybara and Cucumber, documenting toolkit and testing best practices, expanding code coverage by 17% of Ruby on Rails platform.

EDUCATION

CORRELATION ONE

[Data Engineering Certificate](#)

Remote

2023

CORRELATION ONE

[Data Science Honors Certificate](#)

Remote

2021

BOSTON UNIVERSITY

Bachelor of Arts in Economics & International Relations

Honors: cum laude

Boston, MA

May 2014

AWARDS

- **QuickNode HERO NFT**: Recognized for outstanding contribution to the team and project success, 2023.