Isaac Fuenmayor

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WORK EXPERIENCE

Software Engineer InfoTech, Inc. — Gainesville, FL / Remote May 2022 – Apr 2026

- Shipped features across a Rails enterprise platform, collaborating with product and support teams on construction management and financial workflows.
- Developed backend logic, RESTful APIs, and Active Record data workflows with PostgreSQL, powering search, calendars, file attachments, custom fields, and deeply integrated third-party service connections.
- Enforced role-based authorization with CanCanCan across new data models, features, and legacy permissions.
- Modernized legacy UI by migrating Knockout and jQuery pages to maintainable Vue 3 implementations.
- Triaged production incidents via the Rails console, rake tasks, SQL, and audit logs to eliminate repeat failures.
- Replaced a limited fixed report set with a flexible, user-tailored suite spanning all major data models.
- Led Jasmine-to-Jest migration across thousands of frontend behavioral tests, cutting test runtime by ∼97%.
- Parallelized and sharded the full RSpec suite, reducing CI pipeline time by ∼83% from 2 hours to 20 minutes.
- Maintained Docker images and dev container configs to cut onboarding time and standardize local environments.
- Leveraged Cursor and GitHub Copilot to accelerate codebase-wide refactors and architectural changes.

Software Engineer Intern Springbig — Boca Raton, FL / Remote Jul 2021 – Dec 2021

- Acted as technical liaison for external teams, translating API constraints into requirements and backend changes.
- Maintained Rails API endpoints and authored integration docs to unblock third-party partners during onboarding.
- Automated a reporting pipeline using Python, AWS Lambda, Rails, Sidekiq, and SES, eliminating over 10 hours per week of manual work.
- Authored complex MySQL queries to power recurring analyst workflows and support internal business reporting.
- Utilized CloudWatch and API Gateway metrics to diagnose partner integration failures and reduce support toil.

PROJECTS

QuidQuote — Real-Time Expense Tracking Messenger

- Building a Rails-based messaging app for tracking shared costs and balances across direct and group conversations.
- Designing an API-only backend with GraphQL, RPC-style JWT auth, and Pundit-based authorization.
- Implementing Action Cable messaging with asynchronous fan-out for real-time delivery.
- Developing React and React Native clients with Docker-based deployment workflows on AWS.
- Using Codex and local Ollama models to explore design tradeoffs and validate approaches quickly.

WikiNetwork — C++ Wiki Pathfinding Tool

- Built a C++ CLI tool for article-to-article paths across Wikimedia sites.
- Modeled wiki pages as a directed graph with lazy expansion and route reconstruction.
- Implemented BFS and depth-limited DFS with paginated MediaWiki link traversal.

Java-Based Compiler for a Custom Image-Oriented DSL

- Built a Java compiler with recursive-descent parsing, AST construction, type checking, and code generation.

SKILLS

Languages	Ruby, JavaScript / TypeScript, Python, C++, Java, Go, SQL
Frameworks	Ruby on Rails, Vue.js / Vue 3, React, React Native, Svelte
Backend & DB	PostgreSQL, MySQL, Amazon Redshift, WebSockets, REST APIs, GraphQL, Sidekiq
Auth & Testing	CanCanCan, Pundit, JWT, RSpec, Jest, JUnit
Infrastructure	Docker, Docker Compose, Terraform, GitHub Actions AWS (ECS, Lambda, S3, SES, CloudWatch)

EDUCATION

University of Florida — Gainesville, FL 2020 – 2023

Completed coursework toward B.S. in Computer Science