

THOMAS ROBINSON

Senior Software Engineer

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Skills

• PHP | Go | Python | Ruby on Rails | TypeScript | React | Svelte | Elixir | C | Lua | AWS | Grafana | SQL | NoSQL | Kubernetes | Docker

Experience

Senior Software Engineer

ActiveCampaign

Cartago, Costa Rica 06/2023 - Current

- **Preceded** the creation of a Zendesk microservice serving real-time valuable customer information consumed by the internal support teams, **skyrocketing** their productivity and **slashing** their investigation times by **90%**, using **FastAPI, MySQL, Redis, Pulumi and AWS EKR**.
- **Directed** the in-depth investigation, discovery, fixing and documentation of several float-type binary precision miscalculations in Customer orders, **eliminating \$10.4 million in annual expenses**, further optimizing the company's ARR & expenses metrics.
- **Spearheaded** the efforts towards modernizing the internal user's CRM software, implementing its first iteration from scratch, using **Go, Gin, Next.js, Docker, Traefik, GraphQL and MySQL**; With trustless authentication with a role-based access control schema through **Okta**.

Senior Software Engineer

SchoolMint

Cartago, Costa Rica 05/2022 - 06/2023

- **Led** the design and development of multiple enterprise-level microservice applications for SchoolMint's flagship product (Enroll) using **AWS, Laravel, PostgreSQL, DynamoDB, Docker, Python, Go, Node.js, React, and Redux**, driving \$6.3 million in revenue annually.
- **Developed** scalable APIs and background workers for sending **millions of communications asynchronously** using **Laravel, Redis, and AWS**, that serve millions of school administrators, students, and parents daily.
- **Guided** the development of several EdTech E2E, from identifying system requirements and partner dependencies to workload balancing, software implementation, engineering, testing, and adding observability metrics, alarms and dashboards using **Rollbar, Sentry and Grafana**.

Mid Software Engineer

SchoolMint

Cartago, Costa Rica 01/2021 - 05/2022

- **Implemented** enterprise applications of Student, School, Applications Imports using **React, Redux, Rails, AWS, and DynamoDB**.
- **Led** the design and development of data import systems that **increased work efficiency** within the SchoolMint Legacy system by **90%**.
- **Automated** the internal technical support operations by integrating **Sidekiq, Ruby on Rails, ECR and PostGIS** in a single API.

Associate Software Engineer

SchoolMint

Cartago, Costa Rica 12/2019 - 01/2021

- Designed and implemented enterprise EdTech SaaS applications for California's largest education districts, driving yearly revenue of \$40 million using **Ruby on Rails, jQuery, MVC, MySQL, Node.js, React, Redux, and jQuery**.
- Engineering owner of the E2E experience of the legacy enroll, re-enroll, and lottery systems (PC/Mobile).

Education

Bachelor of Science in Computer Science

ULACIT

San Jose, Costa Rica 01/2018 - 05/2021

- Major in Computer Engineering

Projects

- **PRIME PROVISIONS**: Designed, implemented and deployed to production both landing page and web store (02/2023)
- **SIMPLEBANK**: Concurrent Fintech API auto deployed to AWS EKR and RDS, written in Go (Gin). Link to repository. (01/2023)
- **RESTAPP**: Co-Creator of Interactive, restaurant franchise business administration software. Link to repository, (07/2020)
- **DUALBUNDLE**: Designed and developed two video games, using Java and LibGDX 2D Framework. Link to repository. (07/2019)

Mentorship

- SchoolMint Internship Program Mentor: Career advice, teaching programming concepts, mentoring SIS interns (01/2021 - 06/2023)

Awards

- **ActiveCampaign 2024 Q1 Hackathon Winner: Modernization of our Internal CRM** (02/2024 - 02/2024)