THOMAS ROBINSON
Senior Software Engineer

in LinkedIn | 📱 50688770497 | 🌐 Portfolio | ✉ trobin0000@gmail.com | ⚙ GitHub

Skills

- PHP | Laravel | Go | Python | FastAPI | Ruby on Rails | TypeScript | React | Svelte | Elixir | C | Lua
- SQL | NoSQL | DynamoDB | AWS | Okta | Docker | Kubernetes | Grafana | Prometheus | Keycloak

Experience

Senior Software Engineer **ActiveCampaign** *Cartago, Costa Rica* **06/2023 - Current**

• Led 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.**

• Led 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.

Lead Software Engineer, Contract **Prime Provisions** *Cartago, Costa Rica* **09/2022 - 01/2023**

- **Responsible for software engineering, web design, SEO, yacht & mega yacht provisioning.**
- **Designed, implemented and deployed** to production both landing page and web store for clients.

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.
- Led the development of several EdTech E2E, from identifying system requirements and partner dependencies to workload balancing, software implementation, engineering, testing, and configuring metrics, alarms, monitors, and dashboards.
- **Minimized codebase complexity by 80%** while **reducing render time by 90% by implementing a new form validations algorithm.**
- Continuous integration/deployment pipeline integration, pull requests, code reviews, load/stress testing, and unit/integration/E2E testing.

Mid Software Engineer **SchoolMint** *Cartago, Costa Rica* **01/2021 - 05/2022**

- Implemented enterprise applications of Student, School, Applications Imports using **React, Redux, Ruby on Rails, AWS, and DynamoDB**.
- Led the design and development of data import systems that **increased work efficiency** within the SchoolMint Legacy system by **90%**.
- Completely 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).

Associate Software Engineer **CHECK** *Cartago, Costa Rica* **12/2017 - 12/2019**

- **Suplai:** Web Application for general supply provisioning for companies (Angular, Node.js)

Education

Bachelor of Science in Computer Science **ULACIT** *San Jose, Costa Rica* **01/2018 - 05/2021**

- Major in Computer Engineering

Projects

- **SIMPLEBANK:** Concurrent Fintech API auto deployed to AWS EKR and RDS, written in Go (Gin). Link to repository. **(02/2023)**
- **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

- **ActiveCampaign Internship Program Mentor:** Assisting interns in their summer internship project development **(06/2023 - 09/2023)**
- **SchoolMint Internship Program Mentor:** Career advice, teaching programming concepts, mentoring SIS interns **(01/2021 - 06/2023)**

Others

- **Hobbies:** Calisthenics, Weight Lifting, Swimming, Surfing.