

RINOLD SIMON

Senior Full-Stack Engineer

crisrinold@gmail.com | +91 7299544052 | Chennai, India

LinkedIn: [linkedin.com/in/rinoldsimon](https://www.linkedin.com/in/rinoldsimon) | Portfolio: rinoldsimon.github.io

PROFESSIONAL SUMMARY

Senior Full-Stack Engineer with **10 years** of experience building reliable web applications, with deep expertise across the **Ruby on Rails** and **React** ecosystems. Experienced in owning the full software lifecycle from database design through frontend deployment while working with remote, international teams. Currently expanding into **Python** and **FastAPI** to build AI-driven side projects, and actively using modern AI coding environments and LLMs (Cursor, Claude, ChatGPT, Gemini) to write cleaner code, troubleshoot complex bugs, and optimize application performance.

TECHNICAL SKILLS

- **Frontend:** React, JavaScript, TypeScript, Tailwind CSS, HTML/CSS
- **Backend & APIs:** Ruby on Rails, Node.js, REST API development
- **Databases:** PostgreSQL, MySQL, Redis
- **Cloud & Infrastructure:** AWS (EC2), Docker
- **DevOps & Monitoring:** Git, Sidekiq, Sentry, LogDNA, New Relic
- **Testing:** RSpec, automated testing practices
- **Desktop & Cross-Platform:** Electron.js, Flutter
- **Automation & Integrations:** Puppeteer, Tampermonkey, Zapier, background job processing
- **AI Development Tools:** Cursor, Claude, ChatGPT, Gemini, AI-assisted workflows
- **Currently Learning:** Python, FastAPI
- **Also Experienced With:** Ember.js, Elixir

PROFESSIONAL EXPERIENCE

EliteCoders | Remote

Senior Software Engineer (Consultant for GUILDHOUSE Group)

Dec 2022 - Present

- Engineered and scaled AE Connect, a Student Information System serving 300+ K-12 schools and roughly 15,000 students across the Seventh-day Adventist North American Division, covering onboarding, grading, scheduling, and reporting workflows.
- Architected an ETL pipeline migrating legacy Datarollup reporting data into the unified core system, preserving the division, union, conference, and school hierarchy so administrators could export aggregated reports at any level.
- Optimized read/write-heavy PostgreSQL reporting queries by eliminating N+1 access patterns, adding composite indexes, and pushing grade aggregation into SQL; managed database performance across multiple AWS EC2 instances.
- Designed asynchronous Sidekiq and Redis workflows producing 100+ report cards daily plus school-wide bulk ZIP exports, absorbing semester- and year-end spikes in transcript generation and grade calculation.
- Developed distinct, secure React portals for staff, students, and parents, providing real-time academic tracking.

Senior Software Engineer (Core Platform)

Apr 2022 - Nov 2022

- Joined as part of the founding team to architect and launch elitecoders.co, a US-market platform connecting developers with enterprise recruiters.
- Led end-to-end full-stack development of the core Ruby on Rails application, improving frontend rendering speeds by optimizing database queries and cleaning up legacy routing.
- Delivered and deployed scalable open-source client projects showcased on portfolio.elitecoders.co.

Maxiom Technology | Remote

Senior Full Stack Developer (Consultant for FiscalNote)

Jun 2021 - Mar 2022

- Migrated core services, including the authentication and identity service, out of a distributed microservices architecture into a unified Ruby on Rails monolith, applying the Strangler Fig pattern with shadow testing to verify request-level parity before cutover.
- Reworked relational schemas with composite and unique indexes, correcting one-to-one mappings to enforce data integrity and remove redundant joins from the hottest read paths, improving UI load times.

Full Stack Developer (Internal: Hyperlogs)

Jan 2021 - May 2021

- Engineered core time-tracking and timesheet features for Hyperlogs, an internal Ember.js web application used to log, approve, and report employee hours.
- Automated system-wide monthly reporting with scheduled cron jobs, replacing the manual consolidation of timesheets.
- Built the initial cross-platform mobile prototype in Flutter, extending time entry to iOS and Android.

Full Stack Developer (E-Commerce Automation)

Jun 2019 - Dec 2020

- Built an Electron.js desktop application on the Node.js runtime, distributed for macOS and Linux, that automated Amazon seller account workflows across 1,000+ orders per day, peaking above 6,000 daily during sale events and COVID-era demand, and replaced manual processing previously handled by a 10-person team.
- Used Puppeteer so that starting the bot launched Chromium, signed into AWS, and processed orders; Tampermonkey userscripts handled dynamic JavaScript injection in the browser.
- Integrated AWS APIs and cross-platform scripting to manage logistics tracking and third-party inventory fulfillment, reconciling order state against the marketplace to prevent phantom orders.

DigirYTE Ltd | Chennai, India

Lead Frontend Developer

Jun 2016 - May 2019

- Joined as a core founding stakeholder, owning frontend architecture decisions and running daily Agile/Scrum workflows for a team of 6 developers.
- Architected a HIPAA-compliant healthcare application for clients across the UK and Germany on a Ruby on Rails microservices backend with an Ember.js frontend, delivered through to clinical pilot with physician stakeholders.
- Implemented security and compliance protocols including JWT/session-based authentication, layered authorization, and automated parameter encryption to protect sensitive patient data.

PROJECTS & CONTRIBUTIONS

- **Stack Overflow** (stackoverflow.com/users/2480797/rinold-simon): Contributor with 3,000+ reputation, answering Ruby on Rails and Ember.js questions for the community.
- **GitHub** (github.com/rinoldsimon): Technical projects and code samples.
- **Open Source**: Built and deployed Socialrails (socialrails.onrender.com), a functional social media web application in Ruby on Rails.
- **Tech Blog** (learnrubyblog.wordpress.com): Authored a Ruby on Rails tutorial blog covering core web architecture concepts.

EDUCATION

Master of Science (M.Sc) in Information Technology

Graduated 2016

College of Engineering Guindy, Anna University | Chennai, India

LANGUAGES

English (Professional Working), Tamil (Native)