

Harry Thomson

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PROFESSIONAL SUMMARY

Full stack engineer. I have over 4 years of production level experience across high traffic Rails systems and Python APIs backends whilst working with React with Typescript frontends. I am seeking a mid level engineering role.

TECHNICAL SKILLS

Languages: Python, Ruby, TypeScript / JavaScript

Backend: Ruby on Rails, FastAPI, SQLAlchemy, Node.js, Socket.io, REST APIs

Frontend: React, Next.js, React Native, Tailwind CSS

Databases: PostgreSQL, MySQL, MongoDB, Supabase

Infrastructure: AWS, Docker, GitHub Actions, CI/CD, Vercel, Railway, Alembic

Testing & Process: RSpec, pytest, TDD, Agile / Scrum

PROFESSIONAL EXPERIENCE

Software Engineer · *Simply Business, UK's largest insurance broker ~500 employees, London*
· 2021 – 2025

- Built the redesign of the checkout workflow (Rails + React with Typescript) that led to around a 5% increase in conversion from the quote comparison page.
- Worked on a project to automatically generate commission for ancillary products, with event driven, scalable architecture. Handling thousands of daily transactions with 100% accuracy.
- Maintained a large scale Rails monolith that served tens of thousands of customers daily across the UK and the US.
- Experience in responding quickly to production incidents and doing root cause analysis often being the frontline for bugs in the monolith.

Freelance Full-Stack Developer · *Gradtopia (Education Platform), Remote* · 2025

- Built a live chat system where mentors could have conversations with mentees. Built with [Node.js](#) using [Socket.io](#)
- System was built for maximum uptime with polling fallback if websockets failed
- Helped keep all communications on platform to increase retention of students to mentors

Career Break · *Independent Development & Language Acquisition, Remote* · 2025 - Present

- Delivered a production inventory PWA for monks in a Buddhist temple in South Korea (see projects)
- Continued my personal development with consistent interview preparation whilst also studying data structures and algorithms.

PROJECTS

Gucheongam Tea Inventory PWA · *Freelance / Volunteer* · 2026

- Solo delivered a bi-lingual, full stack, PWA for a Buddhist temple in South Korea.
- Production app with live users.
- Improved sales tracking and stock visibility for non technical users.
- Built with FastAPI and React with Typescript.
- Full auth flow with Supabase.
- Liaised with a stakeholder whose native language was not my own.
- Developed full dual lingual documentation so non tech savvy monks could operate the application.
- Integration tests with pytest.

EDUCATION

Software Engineering Apprenticeship (Level 4) · *British Computer Society (BCS)* · 2020 – 2021

University-level qualification in software engineering, accredited by the British Computer Society.

Makers Academy Intensive Full-Stack Bootcamp · 2020

16-week intensive programme: Ruby, Rails, JavaScript, TDD, Agile.