

LOUIS BOURNE

Full-Stack Developer | Independent Trader & Financial Analyst

@ dev@louisbourne.me  Thailand (flexible to work in the UK)

FIND ME ONLINE

 GitHub
github.com/louiskb

 LinkedIn
linkedin.com/in/louisbourne

 Discord
brothercap

 Portfolio Website
louisbourne.me

SUMMARY

Full-stack developer with production experience building and shipping 4 end-to-end Ruby on Rails applications, including 2 team-based projects. Contributed to open-source Vue.js projects (Find a Doc Japan) with Vitest/Jest testing and Storybook integration. Available for Ruby on Rails projects including MVPs, web applications, and custom development.

Technical background combined with 6 years as an independent trader in cryptocurrency, forex, gold, and stock indices, plus e-commerce experience building Shopify/WooCommerce stores with PPC, social media marketing, and SEO campaigns. Bring analytical decision-making and user acquisition insights from trading and digital marketing into software development.

CURRENTLY

Open to full-time roles combining Rails development with opportunities to build growth-focused features, fintech applications, or products that need to be built, tested, and improved quickly based on user feedback. Willing to relocate to the UK or country for the right opportunity.

EXPERIENCE

Full-Stack Developer

Self-Employed

2025 - Present  Remote

- Architected and launched multiple production Ruby on Rails applications including Sipfolio, Market Sensei, and Dokodemo Fit with AI integration, real-time dashboards, and user personalization.
- Managing end-to-end development: requirements gathering, architecture, implementation, testing, and Heroku deployment.
- Integrating third-party APIs (OpenAI for AI features, market data feeds, exercise data).
- Building responsive user interfaces with modern CSS/JavaScript frameworks.
- Implementing secure user authentication, authorization systems, and email notification workflows.
- Contributing to open source: Vue.js testing infrastructure (Vitest snapshot testing) on Find a Doc Japan healthcare platform.

SKILLS

Languages & Frameworks

Ruby  JavaScript  HTML  CSS 

Sass  Ruby on Rails  Stimulus JS 

Bootstrap  Vue.js  RSpec  Jest 

Vitest

Databases & Backend

PostgreSQL  SQL  Database Design 

Migrations  RESTful API Design 

AI & Integrations

OpenAI  Third-Party APIs 

Development Tools

Git / GitHub  Storybook.js  Heroku 

CLI / Terminal  Figma  Canva 

Notion  VS Code 

LANGUAGES

English

Native 

Thai

Proficient 

CORE COMPETENCIES

 Full-stack web application architecture and implementation.

 Authentication & authorization (Devise, Pundit).

 Email systems and real-time data handling (ActionMailer).

 Third-party API integration (OpenAI, market data feeds).

 Test-driven development (RSpec, Jest, Vitest).

EXPERIENCE

Independent Trader & Financial Analyst

Self-Employed

2020 - Present Remote

- Executed structured trading strategies with rigorous risk management across cryptocurrency, forex, gold, and stock indices.
- Approach the market with disciplined decision-making and systematic risk management protocols.
- Conducted continuous market research and adapted strategies based on technical patterns.
- Applied experimental mindset to optimization: Back-testing strategies, parameter optimization, position sizing discipline.

Digital Marketing & Performance Optimization

Self-Employed

2017 - 2020 Remote

- Executed and optimized Facebook Ads and Google PPC campaigns with A/B testing for conversion optimization.
- Analyzed campaign performance metrics and scaled advertising channels.
- Managed online store operations using WordPress, WooCommerce, and Shopify.
- Conducted digital marketing analysis and sales funnel optimization.

Climate Change Documentary TV Presenter

Thai PBS

2019 Thailand, Cambodia, Vietnam

- Hosted a 5-episode Thai-language climate change documentary across the Gulf of Thailand, Cambodia, and Vietnam in 2019.
- The series aired nationally on Thai PBS, Thailand's national public television network, and continues to receive on-air exposure.
- Highlighted climate impacts on coastal communities and marine ecosystems in Southeast Asia through on-location storytelling.
- Brought Thai perspectives to the climate conversation via interviews and field reporting in local contexts.
- [Watch episode 4 on YouTube.](#)

PROJECTS

Market Sensei

2025 Tokyo, Japan

www.marketsensei.app

Cryptocurrency Trading Platform: Collaborated with a team of 3 to build a comprehensive crypto trading platform integrating AI-driven content with intuitive trading tools. Features real-time market data integration, AI-powered chat for trading and market analysis education, user dashboards, trading journal, web 3 crypto wallet integration and in-app swap feature. Demonstrates both technical capability and deep understanding of financial markets through practical application of trading knowledge.

- Tech Stack:** Ruby on Rails, Bootstrap, Stimulus JS, PostgreSQL, Active Record, OpenAI API.
- Key Features:** Real-time dashboards, AI chat integration, trading journal, user personalization.
- GitHub:** [Private](#).

CORE COMPETENCIES



A/B testing and user personalization optimization.



Responsive web design and UI/UX implementation.



MVP development and deployment.

CERTIFICATION

AI Software Development Bootcamp

Le Wagon (Tokyo), 2025

Fullstack Web App & Mobile Development Bootcamp

Nucamp, 2023-2024

Unlimited Wealth Program

LearnToTrade UK, 2020-2021

Professional Diploma in Digital Marketing

Digital Marketing Institute, 2018

EDUCATION

Bachelor of Science in Marine Biology

Newcastle University

2008 - 2011

WHY HIRE ME



Production-Ready Code

Experience building and launching applications.



Full-Stack Ownership

Handle frontend, backend, database, deployment independently without dependency on others.



A/B Testing Mindset

5.5+ years trading experience (back-testing, optimization) + digital marketing A/B testing brings experimental discipline to software development.



Market Understanding

Independent trader and financial analyst; understands fintech applications, trading platforms, and market data integration at technical level.



Vue.js & Rails Stack

Production Rails experience plus Vue.js open source contributions.

PROJECTS

Dokodemo Fit

⌚ 2025 📍 Tokyo, Japan

🔗 dokodemo-fit-66811301c708.herokuapp.com

AI-Powered Fitness Application: Collaborated with a team of 3 to build an AI-driven fitness app that generates personalized exercise routines based on available home equipment. Showcases ability to embed personalization and experimentation into consumer-facing experiences through features such as dynamic workout scheduling, multiple training plans for different occasions, and meal planning.

- **Tech Stack:** Ruby on Rails, Bootstrap, Stimulus JS, PostgreSQL, Active Record, OpenAI API.
- **Key Features:** AI personalization and dynamic scheduling.
- **GitHub:** github.com/louiskb/DokodemoFit

Sipfolio

⌚ 2025 📍 Seoul, South Korea

🔗 sipfolio.rocks

Social Cocktail Application: A gamified social cocktail recipe-sharing platform where users discover, create, and share cocktail recipes with social engagement features. Built with Rails, PostgreSQL, and Stimulus JS. Features user authentication, profile systems, gamification mechanics, and social interactions.

- **Tech Stack:** Ruby on Rails, Stimulus JS, PostgreSQL, Bootstrap, Active Record, Devise, Pundit.
- **Key Features:** Recipe sharing, recipe creation and editing, recipe rating, social cocktail app.
- **GitHub:** github.com/louiskb/sipfolio

Find a Doc Japan

⌚ 2025 📍 Tokyo, Japan

🔗 findadoc.jp

Open Source Contributions: Contributed to Vue.js healthcare platform connecting expats in Japan with healthcare providers. Led the integration and continued development of *Storybook* to Find a Doc Japan and conducted snapshot testing with Jest and *Vitest* to test rendered components.

- **Tech Stack:** Vue.js, JavaScript, TypeScript, Nuxt, Vite, Node.js, Tailwind CSS
- **GitHub:** github.com/ourjapanlife

Louis Bourne Portfolio Website

⌚ 2025 📍 Chiang Mai, Thailand

🔗 louisbourne.me

Personal Portfolio Website: My portfolio website and blog showcasing projects, technical skills, and professional background. Also functions as a full blog application with a custom blog post builder for creating and managing content. Built with modern responsive design principles focusing on user experience and clear communication of capabilities.

- **Tech Stack:** Ruby on Rails, Stimulus JS, PostgreSQL, Bootstrap, Active Record, Devise.
- **Key Features:** Personal portfolio web app with integrated blog and custom post builder.
- **GitHub:** github.com/louiskb/louisb-portfolio

WHY HIRE ME

✓ Self-Motivated & Resilient

Completed Te Araroa 3,000 km thru-hike over four months in 2024/2025; demonstrates persistence, planning, and execution.

✓ International & Remote-Ready

British-Thai developer based in Thailand, fluent in English and Thai; async collaboration experience.

INTERESTS

Trading & Finance

Active independent trader across crypto, forex, precious metals, and indices with structured approach to risk management and decision making.

Outdoor Adventure

Completed Te Araroa 3,000 km New Zealand thru-hike (2024/2025); passionate about hiking, kite surfing, lifting, and running.

Continuous Learning

Open source contributions, technical documentation, blockchain / Web3 technologies.

International Culture

Fluent in English and Thai; experience living and working across diverse countries.