

Callum Chard

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Education

Bournemouth University
2021 - 2024

BSc Computing, 2:1

Profile

Full-stack software engineer with two years' commercial experience building and supporting production applications. Strong Ruby on Rails background, with API integrations across accounting, customer support and physical-access systems. Combines backend engineering, automated testing and UI/UX experience to make complex workflows usable.

Employment

Full Stack Software Engineer | MMTM Ltd

Cheltenham | Oct 2024 - Present

- Implemented a Rails-Xero integration to create invoices from project records and synchronise suppliers and invoice changes through scheduled imports, background jobs and signed webhooks.
- Built and tested a UniFi physical-access API client for visitor creation and PIN/QR credentials, handling tunnel failures, upstream error responses and binary QR downloads.
- Integrated a customer portal with SuperOps GraphQL through paginated ticket queries and background synchronisation linking external support records to local organisations.
- Built legacy staff and leave import tooling for a replacement scheduling application, mapping account identifiers and leave categories; added staff calendar subscriptions.
- Implemented an administrator workflow for merging duplicate participant accounts while transferring attendance, notifications and mentoring records.
- Coordinated sprint delivery with colleagues, writing implementation stories and documenting integration and deployment requirements.

UI/UX Design Intern | Micro Nav Ltd

Bournemouth | Jun - Sep 2023

- Designed user flows and high-fidelity prototypes for air traffic control training tools, collaborating with product managers and developers and contributing to the Figma design system.

Technical Skills

Core

Ruby, Rails, PostgreSQL, MySQL, JavaScript, React, HTML/CSS, Git

Engineering

REST APIs, GraphQL, webhooks, background jobs, RSpec, Sidekiq, Sentry, Hotwire, Figma

Selected Project

Mars Rails | Personal project

- Built and actively use a Rails platform for project planning, learning and work evidence, with MCP tools connecting AI assistants to structured application data.
- Implemented scoped access and versioned CV editing with retry-safe saves and conflict detection.