

Lewis Ward

phone number | email
github.com/Lewisjohnward | linkedin

Profile

Software Engineer focused on building full-stack web applications with TypeScript, React, Node.js and PostgreSQL. Since November 2024, I have designed and developed Budgie, an open-source self-hosted personal finance application, taking the project from initial design through implementation, testing and production deployment. I am now looking for a software engineering role where I can contribute to a production team and build software at scale.

Technical Skills

Frontend: TypeScript, JavaScript, React, CSS, Tailwind CSS, Redux Toolkit, RTK Query, OpenAPI

Backend: Node.js, Express, REST API

Database: PostgreSQL, Prisma

Tools: Linux, Docker, Git, GitHub Actions, Bash, Nginx, Postman

Testing: Jest, Vitest, Playwright, MSW

Software Development

Budgie

trybudgie.co.uk

github.com/Lewisjohnward/budgie

Open-source self-hosted personal finance application based on the envelope budgeting method.

- Designed and developed a full-stack web application using TypeScript, React, Node.js and PostgreSQL.
- Built and documented a REST API using Express, Prisma and OpenAPI, with domain-oriented feature organisation and layered architecture.
- Implemented automated backend integration tests, frontend tests and end-to-end tests using Playwright.
- Containerised the application with Docker and implemented CI/CD using GitHub Actions and GitHub Container Registry.
- Deployed a live public demonstration using Docker Compose and Caddy.

Clippings to Cards

lewisjohnward.github.io/clippings-to-cards

github.com/Lewisjohnward/clippings-to-card

A web application that converts Kindle clippings into Anki-ready CSV files for language learning.

- Built a React application that parses Kindle clipping files, extracts individual highlights and generates Anki-compatible CSV files.

Work Experience

Healthcare Assistant | _____

Sep 2015 – Present

- Provide care and support to patients in a busy hospital environment as part of a multidisciplinary team.
- Communicate effectively with patients and colleagues while managing competing priorities.

Education

BSc Chemistry - First Class Honours | _____

Sep 2010 - Jul 2013