

# Sean Halberthal

## Software Engineer

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### PROFILE

Software engineer focused on backend and systems work in Go, with full-stack range across React, React Native and Node. I design and ship production software end to end, from a freelance practice-management system for a barristers' chambers to a suite of open-source developer tools. Largely self-taught, I learn quickly and care about building software that is reliable, fast and genuinely pleasant to use.

### SKILLS

#### LANGUAGES

Go TypeScript JavaScript C# Lua Shell Python C

#### BACKEND & DATA

Node.js PostgreSQL MySQL SQLite MongoDB Convex

#### FRONTEND

React React Native Astro Tailwind CSS shadcn/ui Vite

#### DEVOPS

Docker AWS GCP Git & GitHub GitHub Actions (CI/CD)

### EXPERIENCE

#### **Legal Practice Management for Barristers' Chambers** 2025–present

Self-employed (Contract)

C# · .NET · TypeScript · React · React Native

- Core engineer on Dana, a multi-tenant SaaS platform for barristers' chambers covering case management, calendar synchronisation, email threading and team collaboration across a backend API, web app and mobile app.
- Worked across all three layers: a .NET backend (FastEndpoints, linq2db, PostgreSQL) in a vertical-slice architecture, a React web client, and a React Native (Expo) mobile app.
- Worked within a small engineering team using Docker, Google Cloud and GitHub Actions CI/CD, including multi-tenant per-chambers identity providers such as Microsoft 365 SSO.

### SELECTED PROJECTS

#### **Tattoo Studio Management App**

TypeScript · React · React Native

Cross-platform mobile and web app for tattoo studio and artist management, built solo with React, React Native and a Convex backend, styled with Tailwind and shadcn/ui. In active development.

### **seeql**

[github.com/undont/seeql](https://github.com/undont/seeql)

Go

Keyboard-driven terminal SQL client for PostgreSQL, MySQL and SQLite, with streaming results and context-aware autocomplete; ships as a single static binary.

### **supplyscan**

[github.com/undont/supplyscan](https://github.com/undont/supplyscan)

Go · MCP

Supply-chain security scanner for JavaScript lockfiles, aggregating IOCs from DataDog, the GitHub Advisory Database and OSV.dev; runs as both a CLI and an MCP server.

### **differ.nvim**

[github.com/undont/differ.nvim](https://github.com/undont/differ.nvim)

Lua · Go

Neovim plugin unifying local diffs, hunk staging and GitHub PR review, with a Go sidecar owning the GitHub API so reviews never block the editor.

Plus jiru, gh-bench, lazycron and more, with full write-ups at [github.com/undont](https://github.com/undont)

## **EDUCATION**

### **Boot.dev**— Backend Development

2024–2025

- Completed a comprehensive backend-engineering and computer-science curriculum (Go, data structures, algorithms, databases and web servers).
- Extended learning into lower-level systems (C, assembly and CPU architecture) and applied it through the projects above.

### **Music Technology (BTEC)**— Kingston College

2017–2019

## **ADDITIONAL EXPERIENCE**

- **Music producer & mix engineer** (2018–present): built a freelance business to a recurring base of 30+ clients; now produce and engineer for a handful of artists alongside personal projects.
- **Retail colleague, Go Outdoors** (2020–2025, part-time): trusted with management-level responsibility; provided technical support and troubleshoot software issues for customers and colleagues.