Daniel Brown

Experienced Senior Software Engineer with a passion for building performant, scalable digital experiences for the web and mobile.

Experience

Senior Software Engineer - **Future Secure AI** Sept 2025 - Present

- Development of AI powered assistants to help automate tasks and processes.
- Utilise the latest AI models and tools with n8n and Flowise.
- Migration of large legacy codebases to take advantage of newer tools and platforms like n8n.

Senior Software Engineer - **FrogCo** Aug 2024 - July 2025

- Development of mobile apps using React Native.
- Integrating and optimising video streaming in mobile apps.
- Maintenance and deployment of mobile apps for iOS and Android.
- Developing with a large number of users and network requests in mind.
- Usage of mobile specialised continuous integration utilities and services.
- Mobile gestures and animations.
- Development of Server Side Rendered NextJS web apps.
- Containerisation of web app stacks using Docker and docker compose configurations.

Senior Software Engineer - **Tiny Technologies** Aug 2023 - Aug 2024

- Maintenance and improvement of an established and large code base.
- Extended application of Typescript and web developer based technology, to consistently meet client needs.
- Regular exposure to continuous integration tools and development techniques.
- Reviewed and trained team of junior developer performance and code.
- Implemented automated tests using Playwright to ensure application reliability and quality.

Consultant - **Auxilis** Feb - Sept 2024

- Providing strategic direction and technical advice to support and guide existing project operations.
- Guiding design pattern decisions to optimise efficiency, readability and ease of maintenance.
- Continued high level application of Python, Typescript & Node, including mentorship of staff.

Tutor for ITAP - **University of Wollongong** Mar 2020 - June 2022

- Experience with teaching indigenous University students.
- Required to set up a meeting schedule with students.
- Required excellent communication skills.
- Required to differ teaching to suit different abilities and needs.

Team Lead - **Auxilis** June 2022 - Aug 2023
Senior Software Engineer   Mar 2020 - June 2022
Software Engineer   June 2019 - Mar 2020
Trainee Software Engineer   June 2018 - June 2019

- Advanced use of Javascript, Typescript, Python & NodeJS to deliver web-apps and serverless backends.
- Experience working in a startup environment.
- Regular communication with internal executives and external stakeholders.
- Utilised Typescript & Node to deliver scalable backend architectures & microservices.
- Experience in tutoring, mentoring and career development of other developers, clients and stakeholders.
- Engagement and experience with remote team members, experience presenting complex projects to stakeholders in a remote environment.
- Utilised AI driven solutions to parse complex OCR from documents.
- Experience gained in Prisma backend and GraphQL.
- Implemented end-to-end tests using Playwright as well as web-scraping utilities.

Volunteering

Active WIRES volunteer, certified for Rescue and Immediate Care (native wildlife) and Identification and Treatment of wombat mange. Passionate about helping native wildlife, providing education to the community and assisting with wider population conservation projects.

Interests

Outside of coding, I enjoy photography, playing video games, snowboarding, rock climbing and spending time with my wonderful wife and dog.

doakman94@gmail.com
0411032732
danoaky.dev (Portfolio Website)
github.com/danieloakman
linkedin.com/in/daniel-brown-7676161a0/
npmjs.com/~danoaky

Wollongong, NSW
Working rights: Australian Citizen

Skills

Strongest languages
9 years in JavaScript (ES6+), 8 years in TypeScript, 6 years in Python, 4 years in Golang

Other Known Languages
Nix, Java, C++, Lua, Rust, Nim

Libraries & Frameworks
React, Mocha, React Native (Expo), Angular, Playwright, Tailwind CSS, Vitest, Jest, Pocketbase, Svelte, SvelteKit, Vue, SST, Capacitor (Ionic), React Native Reanimated, Tanstack Query, Prisma, GraphQL, Next.js, Express

Tools & Platforms
Amazon Web Services, AWS Lambda, AWS DynamoDB, AWS S3, Node.js, Microservices, Serverless, Google Cloud Vision OCR, PostgreSQL, AWS Textract, Firebase, NPM publishing, Linux, Windows Subsystem for Linux (WSL), Debian, CI/CD, Artificial Intelligence (AI), PNPM, NixOS, Bun, Docker, Optical Character Recognition (OCR)

Selected Projects

Polyphasic Sleep Manager
An iOS app written in React-Native to help manage a polyphasic sleep schedule with your own personal schedule. Integrates with your phone's calendar to see where you can fit in naps during the day and how to best fit in your sleep schedule.

PlayAI - FrogCo
A NextJS web app for creating, managing and distributing targeted email campaigns containing AI generated videos of sport celebrities and athletes.

FrogBox Play - FrogCo
A mobile app for watching cricket clips and highlights. Videos are collected from livestreams across the UK and Australia, then clips are extracted using AI.

Lens of Brown Photography
A website I wrote from scratch with Svelte-kit for my photography business. It's a static website hosted on Github pages, with a score of 100 on Google lighthouse.

View all my projects

Education

University of Wollongong
Bachelor of Computer Science - 2020

AWS Technical and Certification
AWS Partner: Accreditation (Technical) - 2019

Open University
Understanding Autism - 2024