

Alex Diwa <

Software Engineer

Hi, I'm Alex! I'm a scientist-turned-software engineer based in Sydney, Australia. Passionate about frontend tech and building beautiful UIs, but love solving problems across the stack.

Experience

GROW, Oct '19 - Mar '20

Frontend Engineer

I worked on GROW's superannuation administration platform TINA, B2B software built on distributed ledger technology (blockchain). Here I co-authored several key features within the TINA UI, aligning components with GROW's design system and business/product requirements, while addressing technical debt, and finding and fixing bugs. Due to the COVID-19 pandemic, all employees were made redundant in late March 2020.

- Key features I worked on include Member Insurance, Audit Log and Case Management
- Researched, documented and submitted proposals for new third-party integrations
- Implemented a system for error tracking across the frontend codebase
- Actively participated in code reviews across three repositories
- Demonstrated strong verbal communication skills, collaborating across teams spanning design, product, backend and testing
- Proactive about writing unit and end-to-end tests
- Helped new engineers find their feet
- Maintained their existing superannuation fund platform and its member accounts
- Tech stack: Vue.js, Vuex, HTML, CSS/SCSS, Tailwind CSS, Koa, Node.js, Jest, Cypress

HealthBank, Aug '19

Intern Frontend Engineer

Over the 4-week period I interned at HealthBank, a healthtech/telehealth startup, I helped revamp key parts of their UI and made it easier for their users to connect with allied health professionals.

- Wrote a custom, dynamic search bar for locating health practitioners based on their profession and specialty
- Implemented a system that allows users to filter practitioners by date/time of availability and appointment type
- Collaborated with backend and product/design to flesh out requirements and deliver frontend solutions
- Tech stack: JavaScript, Stimulus.js, HTML, CSS/SCSS

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Tools, Skills & Languages

I'm strongest at writing client-side JavaScript (Vue), semantic HTML and clean, modular CSS, but I'm familiar with a variety of other tools, frameworks, libraries and languages. Here's a sample of the tech I've learnt and used - and skills I've practised - over the last year.

Vue, React	Node	Jest, Cypress
HTML	Express, Koa	Git
CSS, SCSS	Ruby on Rails	REST APIs
Vanilla JS	PostgreSQL	Accessibility
Vuex, Redux	MongoDB	UI design

Education

Coder Academy, Feb - Aug '19

Diploma of Information Technology

- Built two full-stack apps, a portfolio site and a terminal app, acting as tech/team lead for all group projects - see [GitHub](#)
- Learnt about the software engineering lifecycle from ideation to deployment, and discovered a passion and talent for frontend engineering
- Graduated with a High Distinction average
- Tech stack: JavaScript MERN stack (React.js, Redux, Express.js, Node.js, MongoDB), HTML, CSS/SCSS, Ruby on Rails, PostgreSQL, Jest, Cypress, AWS, Heroku

University of Oxford, '13 - '17

Doctor of Philosophy - deferred completion

- One of 6 recipients awarded a Cancer Research UK-Nuffield Department of Medicine Prize Studentship, a fully-funded 4-year scholarship
- Call-Taker & Trainer, Oxford Nightline ('15 - '17), a student-led supportive listening service
- As President, Middle Common Room, Magdalen College (Jan - Dec '15) managed a committee of 25 to serve and represent the graduate student body in all aspects of college life (social, welfare & academic)

University of Sydney

Master of Science (Chemistry), '12 - '13

Postgraduate Teaching Fellow, '12

Bachelor of Science (Adv) (Hons), '08 - '11

- Graduated with First Class Honours and the University Medal
- Ranked 1st in Chemistry cohort