

# 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 their 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 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, Sass, 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, Sass

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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, Sass	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, Sass, 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