

J Hoeks

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EXPERIENCE

Coles Supermarkets (Contract)

Jun 2021-Dec 2023 (2 years, 6 months)

Senior Software Engineer, Front-End Tech Lead

- **Coles Digital GraphQL** — *Azure, Docker, Redis, GraphQL, TypeGraphQL, DataLoader, Zod, Sentry*

Championed GraphQL at Coles, building a microservice capable of complex querying and orchestration for use across web and mobile app squads. Worked with architects and solution designers to deploy a NodeJS based container into a Kubernetes cluster with CI/CD pipelines for quick and reliable testing and deployments.

- **Accounts and Slot Selector** — *React, Redux Toolkit, Material UI, Styled Components, NextJS, Nx*

Lead the squad responsible for account pages and the Shopping Method and Delivery Slot Selector customer journeys among other initiatives. Enabled the squad to consistently exceed test coverage and performance / web vitals targets. Emphasized comprehensive unit testing and documentation of all front-end code delivered.

Belong, Telstra (Contract)

Sep 2020-Jun 2021 (9 months)

Senior Front-End Developer

- **Service Qualification** — *Cypress, Experian QAS, Formik, NextJS, XState*

As part of a “service qualification” application: built an address autocomplete component connected to an Experian QAS backend for typeahead address entry. This application qualifies the internet services available to a customer based on their address; evaluated using a NextJS-integrated backend. This application leveraged Cypress for automated integration tests across browsers – including API mocking for offline-capable tests.

- **Entice** — *Contentful, Adobe Analytics, Google Analytics, Figma*

Developed components which took design tokens from Figma designs and content from the Contentful headless CMS and provided content pages with rich text capable components that could be rendered in many viewport breakpoints. These components focused heavily on accessibility to be screen reader friendly and keyboard accessible. All content pages sent interaction events to both Adobe and Google analytics platforms.

Australia and New Zealand Banking Group Limited (ANZ) (Contract) Sep 2018-Sep 2020 (2 years)

Senior Software Developer

- **ANZ Apply** — *TypeScript, React, Redux, Styled Components, Formik, GraphQL, Golang*
Frontend developer on banking product origination platform, working closely with backend developers, architects, and designers to build a unified platform for originating savings and deposit products. Involved in customer testing process. Challenges include delivering within tight timelines and onboarding off-shore development teams — mitigated by significantly increasing test coverage and overall technical quality.
- **Personal Loans** — *AngularJS, Bamboo CI/CD*
Part of project team implementing Banking Royal Commission requirements. Challenges include working on a legacy AngularJS codebase and conforming to strict regulatory requirements around code changes.

National Australia Bank Limited (NAB) (Contract)

Dec 2016-Sep 2018 (1 year, 9 months)

Senior Analyst, Programmer

- **nab.com.au** — *Adobe Experience Manager, Vagrant, VirtualBox, Java, Maven, AngularJS, Jekyll*
Responsible for maintaining CMS components for use by various teams within the bank. Improved AEM development virtual machine provisioning process, reducing onboarding process for new developers from a two-day manual process to a twenty-minute automatic process.
- **Live chat component** — *TypeScript, React, Jest, Enzyme, Storybook, Genesys*
Championed development of floating “chat with an agent now” component on realestate.com.au and nab.com.au. First React project at the bank. Delivered in 5 weeks when AngularJS version was estimated to take 8 weeks. Build process produces a single, themeable JavaScript bundle for use by REA and NAB.
- **Electronic forms capability** — *TypeScript, AngularJS, Sass, React, Redux, Storybook, Jenkins*
Developed a platform which generates forms for products like credit cards, transaction accounts, and personal loans. Responsible for improving the continuous delivery pipeline via Jenkins to reduce build failures by an order of magnitude. Key role in migrating platform components from AngularJS to React and Redux.

Prior experience available on request.

TECHNOLOGIES

Azure Docker Experian QAS Express.js GraphQL Launch Darkly NextJS NodeJS React Redis
Redux Redux Toolkit RxJS Sentry Storybook Styled Components Tailwind Testing Library + Jest
TypeScript Vite Zod