

ALLAN GAO

SOFTWARE ENGINEER

allangao95@gmail.com | [Github](#) | [LinkedIn](#) | [allangao.info](#) | 0414608712

SKILLS

Languages - HTML, CSS, JavaScript, NodeJS, GraphQL, Typescript, Python

Frameworks - ReactJS, NextJS, ExpressJS

Backend - MongoDB, PostgreSQL, SQL

Development Tools - Docker, Git, Github, Redux, Webpack, Apollo, Storybook, Emotion

Testing Tools - Enzyme, Jest, React Testing Library

Applications - Kentico, CraftCMS, Wordpress

EXPERIENCE

Software Engineer | Domain

Sydney, Australia

July 2022 - Present

Main Duties

- As part of the core Consumer Seekers team, build upon and maintain the flagship search and listings website of the second leading Australian property marketplace - domain.com.au/sale (React, Typescript, GraphQL, Emotion)
- Implement features for the backend for frontend (BFF) orchestration layer used by numerous development teams (Typescript, GraphQL, Apollo)
- Collaborate with backend/platform teams to facilitate API remediation in GraphQL service
- Collaborate with app engineers to facilitate backend requirements
- Implement features on backend API services
- Incorporate observability metrics for key services (AWS, Elastic, Kibana)
- Collaborate with wider scrum team to ensure agile practices, conduct technical analysis and scoping for features aligned to business unit objectives
- Participate and engage in code reviews to ensure code quality and collaborative discussion around best practices with internal and external teams.

Key Projects

- Primary contributor for GraphQL frontend migration of web search and project pages
- As part of the Reinvent search initiative, implemented BFF operations that enable the search, saved search and market insights experience on the Domain mobile apps
- Implemented new web Adtech stack used on home, search and listing pages

Awards

- Recipient of FY24 Q4 cheers for peers individual award
- Recipient of FY24 Annual cheers for peers individual award
- Recipient of FY23 Q3 cheers for peers team award

Frontend Engineer | Deltatre

Sydney, Australia

Main Duties

- Build and maintain UI features as part of the UI team of flagship products mTribes and AXIS (React, Typescript, GraphQL, Emotion)
- Collaborate with design team to ensure user specifications and design patterns are met (Storybook)
- Work with backend team to establish orchestration layers between multiple backend services and the frontend web application (Apollo GraphQL, gRPC)
- Interact with Testing Team, Scrum Masters and Business Analysts for fixing of issues (React Testing Library, Jest)
- Participate and engage code reviews to ensure code quality and collaborative discussion around best practices

Key Projects

- Development of Extra Location Tribe Rules to provide increased segmentation targeting
- Development of the Funnels feature to enable insights of user journeys
- Development of the Experiments Feature to allow users to test the performances of targeted user experiences
- Upgrade and refactoring front-end stack of AXIS content configurator (Presentation Manager)

Full Stack Web Developer | Create Studios

Sydney, Australia

Main Duties

- Maintain portfolio of Kentico, Wordpress, CraftCMS websites through client ad hoc/ retainer requests. Implementing new features/bug fixes on frontend/backend. Working primarily with Kentico CMS technologies (C#, ASP.NET, SQL) and JAMSTACK technologies (React, NextJS, GraphQL).
- Facilitate in new website/application projects throughout all development phases, primarily involved with frontend integration.
- Liaise with clients and stakeholders during technical onboarding sessions and support calls.

Key Projects

- Utilise an established design system and component library (NSW Design System) in frontend implementation of a Australian Government Website (www.australiaday.com.au - 2021 version)
- Refactor frontend build/Kentico CMS implementation of multinational company website in alignment with Google Core Web Vitals performance measures (www.moxa.com/en | www.moxa.com.cn)
- Construct website using JAMSTACK technologies (www.thewhitetreecreative.com)

EDUCATION

Coder Academy | Diploma of Information Technology

August 2018 - March 2019

University of Sydney | Bachelor of Medical Science

March 2013 - November 2016