

# Alex McDermott

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## Professional Summary

Full Stack Software Engineer with a robust background in TypeScript, React, React Native, and Node. Started software development at a young age, leading to multiple years of industry experience upon graduation. Proven ability to deliver high-quality work in fast-paced, collaborative environments. Passionate about continuous learning and skill improvement. Seeking a role to further apply and enhance my engineering skills.

## Technical Skills

- **Languages & Frameworks:** TypeScript | React | React Native | NextJS | Python | Django | HTML | CSS
- **Backend & Databases:** Node | Express | MongoDB | REST
- **Tooling:** Git | Docker | AWS | GCP | Google Analytics | Figma | Jira | Expo | Vercel
- **Frontend:** Tailwind | Chakra UI | Storybook | ThreeJS | React Three Fibre | React Query | React Hook Form
- **Previous Experience:** C | C# | C++ | Java | MATLAB

## Experience

### Full Stack Software Engineer (Nov 2022 - Present)

#### Labrys

- Co-led development and maintenance of a full stack React Native Expo application ([Pegs](#))
- Develop responsive frontend web experiences using NextJS, TypeScript and Chakra UI ([Labrys.io](#))
- Design and maintain constantly evolving database models using Typegoose and MongoDB
- Implement and maintain RESTful APIs using Koa and TypeScript, with Zod for schema validation
- Effectively communicate with non-technical colleagues on project requirements to ensure technical feasibility
- Manage projects using Jira, participated in stand-ups, and sprint planning as part of an Agile environment
- Collaborate with PM's to maximise deliverable quality within a given timeline and budget
- Architect flexible and performant solutions that are able to adapt to changing requirements
- Create and review pull requests, ensuring high code quality and adherence to best practices

### Backend Software Engineer (Nov 2021 - Jul 2022)

#### Maxwell Plus

- Technology startup using AI to help diagnose, monitor, and help patients recover from prostate cancer
- Develop and maintain a RESTful API using Django and Django REST Framework
- Heavily leverage test driven development to ensure code quality, maintainability and reliability
- Effectively communicate with non-technical, client facing colleagues on new features and product flow
- Utilise Docker for reproducible development and deployment of services
- Manage projects using Jira, participated in daily stand-ups and sprint planning as part of an Agile environment

### Full Stack Software Developer (Feb 2017 - Nov 2018)

#### Cut Coal Technology

- Developed custom social network for miners communication between sites, featured live chat and file posts
- Create and maintain a reactive frontend interface using AngularJS, TypeScript and Bootstrap
- Develop a RESTful API using Node, Express and SocketIO for real time chat
- Utilise MongoDB along with Mongoose to create and manage database models
- Extensively use Docker and Docker Compose for deployment of individual services
- Responsible for research and implementation of new technologies to meet the clients requirements, improve the product, and also development process

## Education

### Queensland University of Technology (2019 - 2023)

- **Degree:** Bachelor of Engineering (Honours)
- **Major:** Computer and Software Systems
- **Minors:** Robotics, Computational and Simulation Science