

Michael Collins

Full Stack Software Engineer

Agile Full Stack Developer with technically advanced skills in TypeScript, React and Node. I love building performant, decoupled and maintainable code to enable rapid development cycles. I am dedicated to lifelong learning and I am always searching for ways to improve and increase my value to the team.

EXPERIENCE

Antler Global Investment Fund, Sydney, Australia

Full Stack Software Engineer

September 2021 – Present

- Built a web app for editable, dynamic questionnaires (similar to typeform) to provide branded, customizable, investment application/pitch funnels for various global regions of the fund.
- Supported and maintained legacy code across 5 of Antlers digital products (front-end and back-end): Fusion, Hub, Website, virtualDemoDay and firepage.
- Responded to user portal bug reports and feature requests and incorporated them into fortnightly sprint goals with the team.
- Re-wrote many of Antlers back-end functionality. They previously used a third-party, low-code service layer for firebase cloud functions. I independently re-authored this business logic into genuine cloud functions that could be traced and versioned within a github repository.
- Drove development for a design-system unification across all of Antlers digital products into a single reusable react component library using Typescript and Tailwind CSS: antler-one.
- Managed and monitored antlers CI/CD pipeline through Google Cloud Platform (GCP)
- Utilized a broad suite of GCP features to monitor and deploy Antler digital products.
- Our team employs AGILE methodology and runs fortnightly sprints and daily scrum standups.

University of Sydney, Sydney, Australia

Research Engineer

May 2018 – March 2021

- Designed sensing algorithms and hardware for portable consumer medical device for the detection of breath ketones
- Inventor of patent related to sensing methods and algorithms: “Systems, sensors and methods for determining a concentration of an analyte,” Patent Application No. 2019336336.
- Multiple years’ experience using Python and MATLAB for sensing algorithms and data analysis.
- Integrated photonic sensor design and fabrication.

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SKILLS

CSS

HTML

TypeScript

Javascript

React

Google Cloud Platform

Responsive design

Next

Node

Tailwind CSS

Git

Firebase

Algolia

Greenhouse

RESTful API

EDUCATION

University of Sydney

B.Eng Hons Chemical and Biomolecular Engineering

July 2018

Sydney, NSW