

Michael Nair

Fullstack Software Engineer

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Portfolio • <https://michaelpnair.github.io/portfolio/>

I am a Web Developer with a previous background in financial analysis who is keen to use my skills and experience in programming, data analytics and working with teams to come together to create solutions. Demonstrated experience in frontend and backend technologies through creating apps with React front end, third-party API integrations and databases.

Technical Proficiencies

- Languages: HTML, CSS, JavaScript, Python, SQL, R, Matlab, Factset
- Technologies: React, Express, Node, PostgreSQL, MongoDB
- Skills: Full Stack Development, Financial Analysis, Data Analysis
- Other Skills: Funds Management, Financial Modelling, Developing Trading Algorithms, Xero, IRESS

Education

Software Engineering Immersive | General Assembly, 2023

Completed Level 1 Chartered Financial Analyst (CFA) Exam | CFA Institute, 2012

Bachelor of Commerce (Degree with Honours) Major in Actuarial Studies | University of Melbourne, 2007 - 2010

Relevant Experience

Software Engineering Graduate

General Assembly

2023

Manga Mini Games

- Full-stack Single Page Application with browser based games which display details about various manga using 3rd party API.
- Built using React, ExpressJS, MongoDB, HTML, CSS, Javascript

Servo App

- Developed a full-stack Single Page Application integrated with GoogleMaps API that displays all petrol stations in Australia
- Built using ExpressJS, PostgreSQL, HTML, CSS, Javascript, GoogleMaps API

Cosplay Planner

- Full-stack website to plan cosplay projects and allow adding, editing and deleting of cosplay ideas.
- Built using ExpressJS, PostgreSQL, HTML, CSS, Javascript

Quantitative Analyst

APSEC Funds Management

2021 to 2023

- Researched, developed and tested pairs trading algorithms for Australian stocks and also for US stocks.
- Created reports for use in client facing newsletters.
- Extracted data from databases and calculate fields for reports for third party stakeholders.
- Ensured that the managed funds are priced accurately and assets are accounted for accurately.

Fund Administrator

Lincoln Indicators

2016 to 2021

- Performed backtesting of Technical indicators on Australian equities with prior fundamental screening.
- Developed models for portfolio construction of US equities from analysis of fundamental factors.
- Financial Modelling to calculate asset risk and asset covariance to suggest additional stocks for portfolios..
- Performed ongoing analysis on managed fund products, Australian equities and US equities
- Ensured that the managed funds are priced accurately and assets are accounted for accurately.
- Liaised with brokers to perform trades.

Business Support

Fastman

2013 to 2015

- Developed efficient reporting processes as the company transitions from MYOB to Xero accounting systems.
- Created easily repeatable reporting on Key Performance Indicators (KPI).
- Programmed CRM to implement a more streamlined work process and to generate more accurate and timely reports.