Matthew Clarke

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https://matthew-clarke10.github.io/portfolio/

SOFTWARE ENGINEER | WEB DEVELOPER

Software Engineer specialising in full-stack web development to create robust, user-friendly, and secure web applications. Proficient in web techonologies such as HTML, CSS and Tailwind CSS, JavaScript and TypeScript, React, NextJS, and NodeJS, programming languages such as Python, Java, and C#, and modern technologies such as GitHub, AWS, and Docker.

Education

Bachelor of Software Engineering (Honours)
University of Newcastle (2021 – present) – expected to complete November 2024, GPA 5.9

HSC Certificate
Whitebridge High School (2015 – 2020)
- Represented my school on the top board of the chess team.

Relevant Experience

Software Engineering Work Placement
University of Newcastle | March 2024 - now
(Approximately 10 hours per week in semester 1 and 20 hours per week in semester 2)
- Supervised and managed a real-world project's development.
- Planned the project using a Gantt chart and kept track of progress using Jira.
- Designed the project using UML diagrams and maintained documentation using Confluence.
- Used the agile development methodology to streamline development and finish an initial prototype using HTML, CSS, JavaScript, NodeJS, and PostgreSQL.
- Integrated the application with third-party tools such as Canvas LMS and Google Wallet.
- Configured the application as an LTI tool to work with OpenID Connect protocols.
- Refactored the code to use React and AWS services through LocalStack.
- Learned how to use deployment scripts and Docker in a professional environment.
- Worked with the university's LTS team and presented the project to stakeholders.

Other Experience

Team Member – Food Service
KFC Warners Bay | January 2021 – September 2021

(Approximately 10 hours per week casually)
- Prepared and cooked food in the kitchen, and performed routine cleaning.
- Communicated with other team members to meet deadlines during busy hours and prioritise orders.

Projects

Third Year Project

University of Newcastle (2023)
- Worked in a team of six to develop and test a full-stack web application.
- Utilised modern technologies such as React, NextJS, NodeJS, and PostgreSQL.
- Managed the code in GitHub with multiple branches, and faciliated project management and task division using Azure DevOps.

ChessPuzzler Personal Project
- Created a web application that allows users to solve chess puzzles.
- Used technologies like HTML, Tailwind CSS, JavaScript, and React.

Certifications

- FIDE Master, World Chess Federation | March 2023.
- Responsive Web Design, freeCodeCamp | September 2023.

Interests

- Playing and studying chess.
- Tennis and rock climbing.

Referees

Mr. Josh Flynn
Solutions Developer
University of Newcastle
M: 0249 215 605
E: josh.flynn@newcastle.edu.au

Mr. Cameron Wells
Head Teacher of Mathematics
Whitebridge High School
M: 0407 985 725
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