

KEEGAN POTGIETER

SOFTWARE ENGINEERING (HONOURS), FIRST CLASS, THE UNIVERSITY OF SYDNEY

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Skills

Technical Skills

JavaScript (incl. TypeScript, React, Node), Full-Stack Development, TailwindCSS, AWS Cloud Computing, Python, Java, SQL & NoSQL Databases, Unit Testing and Testing Frameworks (Jest, JUnit, etc), Docker, OOP Principles

Professional Skills

Effective Time Management, Collaborative Teamwork, Innovative Problem Solving, Adaptive Learning, Strategic Critical Thinking

Experience

Subi

2024 -

Software Engineer

Work

- Developed the Subi Connect UI component library—a typesafe React component library for Subi Connect customers.
- Created the developer portal (React and Typescript) and parts of the backend logic (Node, Express, and Typescript) for the Subi Connect
- Shipped features and improvements in the Subi B2B SafetyNet and Health product.
- Worked with payment systems, payroll integrations, and third party APIs

necta.app

2022 -

Creator

necta Web Application

- Developed a web application for Windy Hills Farm, targeting small-to-medium size farms and nurseries for data management and regulatory compliance.
- Implemented full-stack development practices, utilising Python, Django for backend, and React for frontend.
- Integrated AWS services for robust cloud-based hosting and data storage solutions.
- The first commercial application I have written, managing the full life cycle of the application.

Windy Hills Farm

2018 - 2024

Systems Analyst and DevOps Engineer

Work

- Conducted a comprehensive analysis of existing systems and processes at Windy Hills Farm to identify areas for technological enhancement.
- Developed and implemented a suite of digital solutions to modernise operations, including a cloud-based record-keeping system—through full-stack development—which reduced manual errors by 25%.
- Optimised farm operations through the introduction of automated systems for payroll and inventory management, leading to a 30% increase in productivity.
- Designed and deployed a QR code-based training system, significantly streamlining employee onboarding and reducing training time.
- Pioneered the adoption of advanced communication tools, fostering better collaboration and management across farm teams.
- Regularly evaluated and refined digital tools and systems, ensuring they remained efficient and aligned with the evolving needs of the farm.

Betfair Australia

2021 - 2022

Betfair Scholarship Program

Internship

- Awarded a scholarship involving mentorship and \$1000 trading capital for model deployment on their betting exchange.
- Developed and backtested trading models on racing markets, leading to top three placement within the scholarship group, and an extended \$10,000 offer with a private firm.
- Utilised Python, NumPy, Pandas, scikit-learn for machine learning and data analysis tasks.
- Integrated AWS and MongoDB for efficient data management and model deployment.

Betalytics

2021 -

Betting Exchange Automated Trading

Personal Project

- Conceived and developed Betalytics—a project intertwining with the Betfair Scholarship—focusing on market data analysis and predictive modelling.
- Applied advanced machine learning techniques using Python, NumPy, Pandas, and scikit-learn.
- Implemented data extraction and backtesting strategies to refine trading models, improving profitability by 15%.

Education

The University of Sydney

2020 - 2023

Software Engineering (Honours)

- Graduated with **First Class Honours**
- Achieved a **Distinction Average**

Macarthur Anglican School

Graduated 2018

Year 12 Certificate

- ATAR of 95.20
- Specialised in Maths Ext 1 & 2, and Physics

Referees

Windy Hills Farm

Operations Manager

David Vella

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