

# 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.
- Core developer for the frontend and backend of the Subi Compliance Legal Product (React, Typescript, Node)
- Created the developer portal (React and Typescript) and core backend logic for the Subi Connect (Node, Express, and Typescript)
- Shipped features and improvements in the Subi B2B SafetyNet and Health product (React Native)
- Worked with payment systems, payroll integrations, and third party APIs
- *Subi Connect refers to a payroll integration and onboarding product*
- *Subi Compliance refers to legal technology used by Law Firms to increase Wage Audit efficiency*

### 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**

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### **Gustavo Farias**

Senior Software Engineer

Subi

- LinkedIn

### **Felippe Maurício**

Senior Software Engineer

Subi

- LinkedIn

### **David Vella**

Operations Manager

Windy Hills Farm

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