KEEGAN POTGIETER

Software Engineering (Honours), First Class, The University of Sydney

0479 123 328 | keeganpotgieter@outlook.com.au | keeganpotgieter

Skills

Technical Skills   JavaScript (incl. TypeScript, React, Node), Full-Stack Development, AWS Cloud Computing, Python , Java, SQL & NoSQL Databases, Unit Testing & OOP Principles

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

Experience

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 -

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.

TenantsReview
2022 Semester 2

Full Stack Developer   *Capstone Project*

- Collaborated in a six-member team to enhance a web application for property search, rating, and reviews in Australia.
- Revamped backend code for improved efficiency and data management using MongoDB, Node, and Express.
- Introduced a watchlist feature and overhauled frontend UI using React, contributing to a 20% increase in user engagement.
- Leveraged AWS cloud services (S3, EC2, Elastic Beanstalk) to scale application functionality.

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 *General Manager*

Edwin Proper

- 0499 616 467
- fm@windyhillsfarm.com.au

Windy Hills Farm *Operations Manager*

David Vella

- 0404 032 275