Lucas Barbosa

Engineering (Honours) and Computer Science

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About Me

Technical Skills	React/Solid/Vue, Node, JS/TS, SQL, noSQL, Python, PHP, C/C++, Linux, k8s, Redis, DevOps
Languages	Fluent in English and Portuguese
Interests	Finance, Cinematography, Surfing, Design, Poker, Tennis

Work Experience

Software Engineer

PwC   Sydney, NSW (May 2022 – present)

- Developer of PwC's Smart Audit Platform, a real-time collaboration platform supercharging audit workflows, enabled by 40+ microservices and cloud-based AI. Led the end-to-end development lifecycle across APAC and US territories, from conceptualisation to deployment, ensuring the platform met the highest standards of performance, reliability, and security.
- Author of thought-leadership whitepapers exploring new cutting-edge technology.
- Innovated engineering strategy, tooling, processes, and culture within the organisation.

Founder

Grape   Sydney, NSW (July 2022 – present)

- Established Grape, a bespoke software development firm specialising in advanced productivity solutions for private clients.
- Led the development of advanced web applications and backend systems laying the foundation for iterative development and scalability.
- Applied cutting-edge domain and technical knowledge into product development, ensuring relevance and competitiveness in the fast-paced tech industry.

Lead Engineer

Progue Chartered Accountants Pty Ltd   Sydney, NSW (July 2021 – April 2022)

- Spearheaded automation initiatives to optimise tax accountancy workflows, leveraging innovative solutions to streamline processes and enhance efficiency, reducing non-billable hours.
- Developed a cutting-edge web platform to revolutionise productivity applications, custom-tailored to meet business needs. Implemented advanced deployment strategies leveraging full-managed Kubernetes cloud deployment, ensuring rapid iteration and scalability.
- Innovatively parsed XML data from hundreds of MS Word documents, transforming unstructured information into a structured and scalable model. This enabled new lightning-fast workflows to be developed on top of the firm's existing legacy data archives.

Software and Product Developer

Cercle   Sydney, NSW (August 2021 – April 2022)

- Built a mission-critical web application on AWS infrastructure to ensure the reliability of a high-demand product launch.
- As a product owner, conducted in-person and online user testing and QA to enhance user engagement.
- Worked on conceptualising new ideas for future iterations of the product in a highly collaborative startup environment.

Education

University of New South Wales   Sydney, NSW (2019 – Present)

- B Eng (Honours) and Computer Science
- HD WAM average for core computing subjects
- Achieved a mark of 99/100 in Data Structures and Algorithms
- Marketing and Media Lead for UNSW Autonomy Team