

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 Surfing, Tennis, Poker, Traveling, Standup comedy, Competitive programming, Reading

WORK EXPERIENCE

Senior Consultant, Software Engineer

PwC

Sydney, NSW (May 2022 – present)

- Led a cross-functional team of academics and engineers to develop a novel method for mitigating AI risks at scale, culminating in a forthcoming research publication and a prototype in progress.
- Spearheaded the development of **Smart Audit Platform**, a real-time collaboration solution leveraging 40+ microservices and Azure-based AI. Guided the full product lifecycle across APAC and US, ensuring robust performance, reliability, and security.
- Streamlined developer experience by 5x across two engineering teams by introducing modern multi-language monorepo tooling.
- Recognized for high achievement becoming a senior consultant before graduating.

Founder, Software Engineer

Lattice

Sydney, NSW (July 2022 – present)

- Established Lattice, 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.

Software Engineer

Cercle

Sydney, NSW (Nov 2021 – March 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.

Freelance Software Engineer

Various clients

Sydney, NSW (October 2016 – April 2022)

- Developed software for a diverse range of clients normally under a contract.
- Completed over 100 personal projects with different technologies. Some are open source on github.com/lbxa.

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
- Winner of UNIHACK 2024