ETHAN HUSBAND

Software Engineer

Melbourne, Australia

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PROFILE

As a software engineer with a strong foundation in mathematics, I bring a unique perspective to software development that combines analytical rigor with creative problem solving. A sound understanding of algorithms, data structures, and optimization techniques, enables me to write efficient and scalable code.

My strong technical skills, analytical mindset and collaborative nature make me a valuable asset to any software development team.

EMPLOYMENT HISTORY

❖ Full-Stack Engineer, EVUp   Jan 2022 — Present
Melbourne, Australia

Employed part-time at EVUp working as a software engineer on the company's major project EVUp Charge, a project which I have since had the privilege to lead the development of since Sept. 2022.

- EVUp Charge is a sophisticated, scalable software which provides management, monetization, monitoring and load management tools to 100s of electric vehicle charging stations around Australia - all while connecting EV drivers to their nearest station.
- Lead a small team of developers in the 2.0 rebuild of the project, which saw major CI/CD improvements as well as drastic increases in stability and data integrity for what is now 10,000+ hours worth of electric vehicle charging sessions - garnering steep increases in platform users and reviews.
- Comfortable working in Frontend, Backend and DevOps environments as well as designing scalable micro-service architectures and understanding the importance of context-boundaries and version control management.

❖ Web Developer, MyEnergi Australia   May 2022 — Present

Casual servicing and development work for MyEnergi Australia on their Evergise quote tool

- A simple React-Redux and MongoDB project, involving a form where a user enters their home details, as to send this installment request to the MyEnergi sales team for quoting and installers for contact
- Used for the installation of over 1000 MyEnergi Zappi EV chargers and Eddi solar devices across Australia

EDUCATION

❖ University of Melbourne   Feb 2021 — Nov 2025
Melbourne, Australia

BSc Pure Mathematics + Adv. Dip. Computer Science

- Currently First Class Honours across both degrees (WAM 84.77)
- Deep understanding of mathematical theory, techniques, philosophy and principles - such as the importance of mathematical rigour, logic and analysis
- Strong understanding of theoretical Computer Science principles like logic, automata theory, computability theory and complexity theory
- Development of skills in optimized algorithm design, software design, machine learning and AI

❖ Kingswood College   Feb 2015 — Nov 2020
Melbourne, Australia

VCE Qualification

- Graduated from Kingswood College in 2020 as College Dux, receiving awards for English, Mathematics, Chemistry and Psychology

SKILLS

Algorithm Optimization	Micro-service Architectures
Mathematical Analysis	Frontend CI (Storybook, Cypress)
Data Analysis & Design	Frontend Development (React, React-Native, Redux, Tailwind)
Backend Development (GraphQL, Express, Typescript)	Application CD (GCP, A/B deployment, Terraform)
AI + Machine Learning	

HOBBIES

Music, Rock Climbing, Soccer, Chess, Camping, Travel, Bar Hopping, Gaming, Game AI Development

REFERENCES

Russ Shepherd .... +61 424 047 596
EVUp, MyEnergi Australia   russ@evup.com.au

Felix Mccuaig .... +61 401 549 654
Energetiq Australia   felixmccuaig@gmail.com

Additional Referees Available Upon Request ....

LINKS

LinkedIn - https://www.linkedin.com/in/ethan-husband-30a9b8240/ ....

Github - https://github.com/ethanhusband ....

Personal Website - https://ethanhusband.com/ ....