

Liam Robinson Hounsell

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PROFESSIONAL SUMMARY

Software engineer with experience building **full stack, cloud-backed applications** using modern frameworks including **Next.js, Springboot, Express.js, and SQL**. Known for taking initiative and working collaboratively to turn ideas into **scalable, reliable, and high-performing solutions**. Brings a strong **user-centric mindset** and has delivered real-world impact through deploying and managing applications on cloud platforms, improving usability and efficiency.

EDUCATION

Royal Melbourne Institute of Technology <i>Bachelor of Software Engineering (Professional), Minor in Cyber Assurance</i>	Melbourne, VIC 2023 – 2027
Purdue University <i>Certificate in Design Thinking</i>	West Lafayette, IN 2022

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, C++, Java,
Frameworks: Next.js, React, Node.js, Express, Spring boot
Cloud: AWS, Google Firebase, Vercel, Supabase
Tools: Git, GitHub Actions, Docker, WordPress
Databases: MySQL, SQLite, PostgreSQL

PROFESSIONAL EXPERIENCE

Full Stack Developer <i>Community Sailing School Foundation</i>	Detroit, MI 2022 – 2026
<ul style="list-style-type: none">– Built a scalable web platform integrating e-commerce and LMS for 350+ active users, improving community involvement by 30%.– Led UX workshops using Design Thinking, cutting user onboarding time in half.– Optimized website performance/plugin usage, reducing load times by 20% and implementing SEOs.	
Intern <i>Amazon Prime Air</i>	Seattle, WA 2023
<ul style="list-style-type: none">– Observed distributed systems operating at scale with focus on availability and reliability.– Gained exposure to how large systems are designed to meet customer demand and performance requirements.	

PROJECTS

Sailing Data Visualisation Platform <i>Telltale Solutions</i>	2024 – Present
<ul style="list-style-type: none">– Built using Next.js, TypeScript, and Supabase to process and visualise binary race data.– Designed data pipelines and APIs to transform raw telemetry into usable insights for end users.– Focused on low latency data handling and intuitive UI for real time decision making.	
RMIT Club Web Platform <i>RMIT Sailing</i>	2026 – Present
<ul style="list-style-type: none">– Developed a full stack web platform using Next.js and TypeScript, deployed on Google Firebase for scalable hosting and real time services.– Integrated AWS S3 for secure and efficient image storage, enabling fast content delivery and media management.– Designed backend services and APIs to manage events, user data, and content, improving accessibility and user experience for club members.	
Vangbot Discord Bot <i>GitHub Repository</i>	2019 – 2023
<ul style="list-style-type: none">– Developed a Node.js system with AI integration supporting 10,000+ users with 24/7 uptime.– Deployed on Raspberry Pi infrastructure, ensuring continuous availability and performance.– Implemented event driven architecture and persistent storage for scalable automation.	

OTHER EXPERIENCE

Leadership: Founded and led RMIT Sailing Club, delivering structured and engaging member experiences.
Customer Service: Front of house roles requiring fast problem solving and consistent service delivery.
Collaboration: Experience working in agile teams across robotics and hackathons.