Jake Lancaster

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EXPERIENCE

IOTech Systems　　　　　　　　　　　　　　　**Newcastle upon Tyne, United Kingdom**
Technical Lead　　　　　　　　　　　　　　　*2024 (December) - 2025 (February)*
- Led technical product delivery and sprint planning
- Managed feature timelines and critical incidents
- Provided mentoring and technical guidance
- Coordinated with management and stakeholders
- Live customer demos

Senior Software Engineer　　　　　　　　　　　　　　　*2022 - 2024*
- Designed and delivered scalable features for edge IoT management platform
- Built offline Linux package installation feature for air-gapped environments
- Developed Docker-based product scale testing environment
- Identified and resolved technical challenges in customer projects
- Acted as interim Technical Lead and supported teams

Software Engineer　　　　　　　　　　　　　　　*2020 - 2022*
- Developed scalable system features for industrial IoT environments
- Supported customer projects, providing technical solutions and guidance
- Performed code reviews with focus on performance and reliability

Graduate Software Engineer　　　　　　　　　　　　　　　*2019 - 2020*
- Delivered production-ready code for greenfield project
- Evaluated and integrated third-party technologies and tooling
- Assisted with testing, debugging, and documentation
- Helped with team knowledge sharing and onboarding

Australian Signals Directorate　　　　　　　　　　　　　　　**Canberra, ACT**
Intern　　　　　　　　　　　　　　　*2017 - 2018 (3 Months)*
- Self-inspired research and development of novel malware detection techniques
- Developed new techniques to represent existing data sets to help identify similar malware samples

Riverland Computers　　　　　　　　　　　　　　　**SA**
IT Technician　　　　　　　　　　　　　　　*2013 - 2015*
- Managed IT infrastructure for newspaper company across 4 sites
- Provided on-site technical support and advice for public and business clients
- Maintained mission-critical servers, staff computers, and network infrastructure

EDUCATION

Honours of Science (Computer Science)　　　　　　　　　　　　　　　**Adelaide, SA**
Flinders University　　　　　　　　　　　　　　　*2018 - 2019*

Bachelor of Computer Science　　　　　　　　　　　　　　　**Adelaide, SA**
Flinders University　　　　　　　　　　　　　　　*2015 - 2018*

Certificate II & III in Networking　　　　　　　　　　　　　　　**Berri, SA**
TAFE　　　　　　　　　　　　　　　*2011 - 2014*

PROJECTS

PDF Software Migration *2013 - 2015*
- example

SKILLS & COMPETENCIES

- Languages & Tools: Golang, Bash, SQL, Docker, Jenkins, GitHub, REST, GraphQL, Goland
- Cloud & Infrastructure: Google Cloud, Linux, Networking
- Past Technical: C, C#, C++, firmware builds
- Practices: Agile, CI/CD, Code Reviews, Testing
- Soft Skills: Team Leadership, Project Management, Customer Support

INTERESTS

Deep Space Astrophotography, Space, Motorsport, Radio Communications