Ben Winding
Full-Stack Developer

🌐 Australian & US Citizen
♂ 14 February 1989
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Highlights of Qualifications

Software Engineering

- Developed and maintained several webapps and browser extensions (See: https://benwinding.com/projects).
- 5 years of open-source experience, developed 8 npm packages used in production, for **React**, **Angular** and **Quill.Js**.
- Versatile in MVC and Component-Based user interfaces.
- Experienced in building micro-services using GCloud and Docker.
- Has a passion for developing clean, flexible software architecture to solve complex problems.

General

- Excellent problem solving and decision making skills.
- A team player and enjoys working with and learning from others.
- Self-motivated with a willingness to learn.
- Work well under pressure and enjoy working in a fast paced environment.

Project Management

- Project owner of the successful FMLink web-application by Resvu, an system for facility management.
- Excellent record of prioritising and managing multiple concurrent projects.
- Worked with senior project managers on large manufacturing projects.
- Effective and efficient at producing high quality documentation for projects.
- Maintain regular communication with the client throughout the project.

Programming Skills

Cloud Stacks:	Google Cloud, Firebase, Digital Ocean, Amazon, LAMP, MEAN
Back End:	Nodejs, Express, Larvel, Python, Java, C++
Front End:	React, Angular, HTML, Pug
Desktop:	.NET, Electron, Java
Sys Admin:	Ubuntu, Redhat, Ms Windows, LATEX
Embedded:	Arduino, Raspberry Pi, Lejos, Mach3 CNC

Education

2015 to now	**Master of Computing and Innovation, The University of Adelaide**, Adelaide Gpa: 5.78
2008 to 2012	**Bachelor of Engineering, The University of South Australia**, Adelaide *Honours* | Major: Mechanical and Mechatronics Thesis: Development of Cooperative Tasks for Autonomous Humanoid Robots - Advisor: Dr. Sang Heon Lee Gpa: 5.1

Employment

2019 to now Mar	**Lead Software Engineer** at Resvu — Thinclab, South Australia • Managed 3 products, FMLink, Communitilink (Version 2) and an Internal Admin Panel. • Developed architecture for the version 2 of the Communitilink Whitelabled System. • Produced a Data Table library (**ngx-auto-table**), which simplified systems and increased code reuse. • Integrate a flexible authentication system, which allows user contexts to be switched seamlessly within the application. • Implemented a one-click deployment solution, with automated unit-testing.
2018 to 2019 Aug to Mar	**Software Engineer** at Resvu — Thinclab, South Australia • Project Owner of the "FMLink" web application, a Facility Management tool for large companies. • Integrated Google's *material.io* javascript library into legacy applications. • Implemented a database schema validator for *Google Firestore*, to ensure apps work on the production database. • Helped integrate OAuth signin and user permissions into the *Google Firebase* backend. • Used management systems including; Bitbucket, Jira, Assana, Stride and Trello.

| 2015 to 2018 | **Mechanical Engineer** at Bargain Steel Centre | South Australia |

Jun   May

- Design and manage the production of Sheds
- Liasing with clients to determine business requirements
- Responsible for CAD modelling and shop drawings
- Procuring and ordering materials and components needed for jobs
- Automating CAD procedures via scripting
- Assisted in designing the website

2014 to 2015
Dec   Apr

Graduate Production Engineer at Smart Fabrication — Kilburn, South Australia

- Control the delivery and processing of materials and equipment.
- Ensure traceability of all material used, regarding certification and conformity.
- Procurement of material and components from suppliers.
- Assisting the production staff in producing quotes and estimates.

2014 to 2014
Jul   Sep

Graduate Project Engineer at Cold Logic — Port Adelaide, South Australia

- Responsible for producing technical drawings including; P&ID's and fabrication drawings.
- Managed material ordering and project changes regarding drawings.
- Increased productivity in Engineering department through efficient modelling techniques.

2013 to 2014
Jul   Mar

Drafter at Kova Engineering — Vancouver, Canada

- Responsible for producing technical drawings including; fabrication drawings, lift plans, as built's and weld maps.
- Managed small projects including spreader systems, for lifting operations.
- Produced Finite Element Analysis' on static and dynamic models.
- Developed successful responsive website for the company.

2011 to 2012
Oct   Nov

Drafter at Smart Fabrication — Port Adelaide, South Australia

- Responsible for creating technical drawings for fabrication.
- Refined current product design process, setting clear design guidelines to improve quality.
- Managed projects including pipe routing, structural frames and machinery components.
- Worked closely with senior project managers to solve scheduling and logistical problems.

Interests and Activities

Open-Source | Building Things | Writing
#kitesurfing #tennis #arduino #robotics

References

Available on request