

BEN WINDING

FULL-STACK DEVELOPER

 Australian & US Citizen
 14 February 1989
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 <https://github.com/benwinding>

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**.
- 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, L^AT_EX
Embedded: ARDUINO, RASPBERRY PI, LEJOS, MACH3 CNC

EMPLOYMENT

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| 2019 MAR | TO | NOW | Lead Software Engineer at RESVU | Thinclab, South Australia |
| <ul style="list-style-type: none">• Managed 3 products, FMLink, Communitilink (Version 2) and an Internal Admin Panel.• Developed architecture for the version 2 of the Communitilink Whitelabeled 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 AUG | TO | 2019 MAR | Software Engineer at RESVU | Thinclab, South Australia |
| <ul style="list-style-type: none">• Project Owner of the "FMLink" web application, a Facility Management tool for large companies.• Integrated Google's <i>material.io</i> javascript library into legacy applications.• Implemented a database schema validator for <i>Google Firestore</i>, to ensure apps work on the production database.• Helped integrate OAuth signin and user permissions into the <i>Google Firebase</i> backend.• Used management systems including; Bitbucket, Jira, Assana, Stride and Trello. | | | | |
| 2015 JUN | TO | 2018 MAY | Mechanical Engineer at BARGAIN STEEL CENTRE | South Australia |
| <ul style="list-style-type: none">• 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 DEC | TO | 2015 APR | Graduate Production Engineer at SMART FABRICATION | Kilburn, South Australia |
| <ul style="list-style-type: none">• 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. | | | | |

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| 2014 JUL | TO | 2014 SEP | Graduate Project Engineer at COLD LOGIC | Port Adelaide, South Australia | <ul style="list-style-type: none"> • 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 JUL | TO | 2014 MAR | Drafter at KOVA ENGINEERING | Vancouver, Canada | <ul style="list-style-type: none"> • 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 OCT | TO | 2012 NOV | Drafter at SMART FABRICATION | Port Adelaide, South Australia | <ul style="list-style-type: none"> • 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. |

EDUCATION

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| 2015 | TO | 2018 | MASTER OF COMPUTING AND INNOVATION, University of Adelaide , ADELAIDE GPA: 5.78 |
| 2008 | TO | 2012 | BACHELOR OF ENGINEERING, The University of South Australia , ADELAIDE <i>Honours</i> MAJOR: MECHANICAL AND MECHATRONICS THESIS: DEVELOPMENT OF COOPERATIVE TASKS FOR AUTONOMOUS HUMANOID ROBOTS - ADVISOR: DR. SANG HEON LEE GPA: 5.1 |

INTERESTS AND ACTIVITIES

[Open-Source](#) | [Building Things](#) | [Writing](#)
#kitesurfing #tennis #arduino #robotics

REFERENCES

Available on request