





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>).
- Has a passion for cross-platform compatibility across browsers and operating systems
- Developed web API's to connect to SQL and NoSQL database backends.
- Created several popular Chatbots still used on the Messenger Platform.
- Endeavours to develop simple abstractions to compose simple solutions.

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 application 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: DIGITAL OCEAN, AMAZON, NODE, LAMP, MEAN
Back End: NODE, EXPRESS, LARVEL, PYTHON, JAVA, C++
Front End: HTML, PUG, REACT, ANGULAR, JAVAFX
Sys Admin: UBUNTU, REDHAT, MS WINDOWS, L^AT_EX
Embedded: ARDUINO, RASPBERRY PI, LEJOS, MACH3 CNC

EDUCATION

2008 - 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
2015 - Present	MASTER OF COMPUTING AND INNOVATION, The University of Adelaide, ADELAIDE GPA: 5.78

EMPLOYMENT

2018 TO NOW Aug	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.• Deployed several applications to <i>Google Firebase</i> from the companies product catalogue.• 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 TO 2018 JUN 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.
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.

INTERESTS AND ACTIVITIES

Technology | Web-development | Open-Source
 #kitesurfing #tennis #arduino #robotics

REFERENCES

Available on request