

Rongjun Geng

Full Stack Web Developer | Systems Engineer

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TECHNICAL SKILLS

Frontend: React.js, Redux, Hooks, Context API, Jest, Cypress, Yup, Axios, JavaScript, HTML, CSS,

Backend: Node.js, Express, SQL, PostgreSQL, Docker, Python, Git CLI, GitHub, VS Code, Vercel, Heroku, Netlify

Additional Skills: Agile Project Management, Algorithms, Architecture, Debugging, Deployment

Language Fluency: English, Mandarin

TECHNICAL PROJECTS

PotlucPk Planner, Full Stack Developer

[\[GitHub\]](#)

- Developed forms using Yup schemas to validate data allowing users to create new and unique events
- Implemented all pages and forms by using Styled components and Bootstrap which gave all users accessibility leading to a quick response time

Code Heroes, Front End Developer

[\[GitHub\]](#)

- Wrote codes to build parent booking in React Redux, for both front end and back end
- Utilized Ant Design to ensure the unified and high-quality design of the application
- Contributed to reviewing, resolving conflicts, and approving Pull Requests on GitHub

Anywhere Fitness, Back End Developer

[\[GitHub\]](#)

- Established PostgreSQL database locally to communicate with Heroku API which enabled the creation of endpoints for data to flow through to front end components for vendor marketplace app
- Coded user authentication endpoints with Node.js and Express to allow for login and account creation

WORK EXPERIENCE

4G ENG, Berkeley CA, System Engineer

Aug 2018 - Aug 2021

- Designed signal processing for custom software-defined radio hardware (ex. channelization, equalization, PA linearization, gain control, carrier synchronization, symbol mapping, framing, channel coding/FEC, etc.)
- Worked closely with FPGA developers to implement and test the signal processing on radio hardware
- Collaborated with the hardware team to verify correctness and performance, developing clever software workarounds for hardware limitations

MicroEmbedded Software (Beijing) Co. LTD., Engineer & Co-Founder, Beijing China

Sep 2009 - Jul 2018

- Founded a company dedicated to pioneering service software-defined radio research projects for universities and institutes of the Chinese Academy of Sciences (CAS).
- Served hundreds of clients over the course of six years, including but not limited to Beijing University, Tsinghua University, Institute of Acoustics of CAS, Institute of Semiconductors of CAS, Institute of Software of CAS, Huawei, Lenovo, and Alcatel-Lucent of Shanghai. Grew the company to over 200 employees by 2013, quickly becoming the leading supplier of software-defined radio platforms in China.

Australian Conveyor Engineering, Somersby, NSW Australia, Manager/Electrical Engineer

Aug 2000 - Aug 2009

- Promoted to senior management and internationally relocated from Australia to manage the Beijing branch of Australian Conveyor Engineering Pty Ltd, NSW Australia.
- Won the second rank among foreign mining equipment supply companies in the mining field of China by the accumulated selling of over 5 billion yuan of RMB in 2008.
- Led the design and management of the technical aspects of construction projects ensuring compliance with specifications, drawings, and electrical codes.
- As an Electrical Engineer, responsible for conducting engineering analyses and performing computer-related functions such as drawings, spreadsheets, and database compilations

Additional work experience available on [LinkedIn](#)

EDUCATION

Bloom Institute of Technology, Full Stack Web Development & Computer Science

Sep 2021 - Jun 2022

The University of Auckland, Auckland, New Zealand, Postgraduate Diploma, Computer Science

Mar 1999 - Jun 2000

Xi'an Jiaotong University, Bachelor of Engineering in Electrical and Electronics Engineering

Sep 1981 - July 1985