

ALICE WANG



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SUMMARY

- Full-stack Software Engineer with 2+ years of experience delivering production-grade web and cloud applications
- Skilled in building scalable systems, integrating APIs, and automating business workflows
- Hands-on experience in electricity billing, metering data analysis, and real-time platforms at Gentrack
- Proficient in debugging complex issues and optimizing performance across front-end and back-end systems
- Passionate about clean architecture, data-driven solutions, and improving operational efficiency in the energy sector
- Passion for software development and keen to expand knowledge with a can-do attitude
- Excellent communications skills, creative problem solver, proactive listener, and the ability to work in a team or individually

TECHNICAL SKILLS

Languages & Scripting: JavaScript, TypeScript, SQL, HTML, CSS, GenBasic

Frontend: React.js, Next.js, Bootstrap, Tailwind CSS

State Management: Redux, Zustand, React Query

Cloud Platforms: AWS (EC2, S3, Lambda, CloudWatch, IAM), Databricks

Databases: SQL Server, PostgreSQL

CI/CD & DevOps: Git (GitHub, GitLab, Bitbucket), Jenkins, Git Bash

OS & Shell: Unix/Linux, Ubuntu, Shell scripting

Testing: React Testing Library, Unit Testing, Integration Testing

Agile Tools: Jira, Confluence, Scrum methodology

Category: Technologies

PROFESSIONAL EXPERIENCE

Gentrack Ltd (Global) Melbourne

2023 JULY - Present

- Develop and maintain critical software systems for utility clients, with a focus on performance, scalability, and billing accuracy.
- Design, document, and deliver enhancements using tools such as AWS, Jenkins, Bitbucket, and Git Bash, contributing to smooth CI/CD pipelines and stable releases.
- Write complex SQL queries and debug data-related issues across multiple environments to support accurate reporting, invoicing, and regulatory compliance.
- Provide support for internal QA (IQA), conducting exploratory and regression testing to identify and resolve issues pre-release.
- Identified and resolved billing defects during sprint planning, reducing post-release incidents and operational risk.
- Improved system efficiency by refactoring legacy logic, lowering maintenance cost and developer workload.
- Supported delivery of new energy products that enhanced billing accuracy and contributed to client revenue growth.
- Recognised for adaptability in taking ownership across multiple feature areas and assisting during critical delivery deadlines.

ACHIEVEMENTS

- HELPED MAINTAIN STABLE SYSTEMS AND DELIVERED NEW FEATURES WITH AWS AND SQL, KEEPING CLIENT SATISFACTION ABOVE 95%.

PROJECTS

Energy Australia – Solar Battery & Battery Ease Project

- Played a key role in the development and implementation of Energy Australia's new solar battery product and the Battery Ease initiative in South Australia.
- Configured product rates and set up system integrations to ensure seamless billing and customer account management.
- Designed and implemented a new bill template and customer welcome letters, improving communication and user experience.
- Collaborated with cross-functional teams to ensure regulatory compliance, billing accuracy, and a smooth customer transition to the new product.

Full Stack E-Commerce App

- Built and deployed a scalable e-commerce platform using Next.js 13, Sanity, and Stripe.
- Implemented React Server Components and optimized data fetching for a seamless user experience.
- Managed product data with Sanity CMS and performed complex queries using GROQ.

Personal Portfolio Website ((React.js, CSS, SwiperJS)

- Built and deployed a React.js portfolio website using the React Icons library as part of my personal portfolio project.
- Gained experience with the useState hook, modern website design with CSS.
- Implementing SwiperJS for carousels/slides, and integrating multiple contact options.

EDUCATION

• Equivalent Experience in Software Engineering and Development

• Zero To Mastery Academy

- Data Structures + Algorithms: Mastered key concepts like arrays, linked lists, sorting algorithms, recursion, and dynamic programming.

• Generation Australia

- Junior Web Developer Bootcamp: Full-stack web development fundamentals, including HTML, CSS, JavaScript, and backend technologies.

• FreeCodeCamp

- Front End Development Libraries Certification (React): Built modern web applications using React.
- Legacy Responsive Web Design Certification: Learned responsive design principles using CSS frameworks.
- JavaScript Algorithms and Data Structures Certification: Gained expertise in JavaScript fundamentals and algorithms.

REFERENCES

Available Upon Request