

Wendy Wong

Full-stack software engineer specialized in MERN stack

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Portfolio: <https://coderwendy.netlify.app> | github.com/wendywong1129

Introduction

Highly motivated software engineer with a strong focus on the MERN stack, offering two years of local industry experience. Demonstrated expertise in designing and implementing intricate web applications for online meeting platforms. Skilled in leveraging Cloud technologies and platforms to create scalable applications, along with a proven track record of developing and managing CI/CD pipelines. Proficient in Agile methodology and Scrum certified, adept at leading project development efforts and fostering collaborative teamwork within diverse team environments.

Technical Skills

Front-end: HTML5, CSS3, JavaScript (ES6), TypeScript, React, Redux Toolkit, Next.js, Sass, Tailwind, Styled-Components, Material-UI (MUI), Ant Design, React-Bootstrap, Vite;

Back-end: Node.js, Express, Mongoose, Nest.js, RESTful API, GraphQL, TypeORM, Socket.io, JWT;

Database: MongoDB, MySQL, PostgreSQL;

Testing: Jest, React Testing Library, Enzyme;

Cloud: AWS S3, EC2, API Gateway, Lambda, SES, Route 53;

Tools: GitHub, Bitbucket, VS Code, ESLint, Prettier, Jira, Slack, Gather;

Methodologies: Agile/Scrum.

Working Experience

Software engineer | [DIRHAND IT Solutions](#) | Nov 2022 - now <https://justcarservice.com.au>

IT solution & Consulting start-up in NSW, with middle scale SaaS projects in multiple industries

Responsibilities

- Spearheaded the development of the core car selection module and backend API utilizing Node.js and Express framework.
- Worked closely with front-end engineers to optimize API performance, enhancing the overall user experience using React and Next.js framework.
- Strived for continuous performance improvements by implementing engineering best practices and ensuring optimal functionality.
- Collaborated with cross-functional teams to establish and maintain a robust CI/CD pipeline, leveraging tools like GitHub, Jenkins, and AWS.

Achievements

- Designed and implemented a core component for the car selection API, handling a staggering 10,00+ requests per second with exceptional availability and redundancy, supporting uninterrupted user experiences.

- Optimized the CI/CD workflow and processes, enabling an impressive 50+ deployments per day across the entire technology stack, resulting in a remarkable 40% increase in product delivery efficiency for the team.
- Influenced the product team's workflow and tooling to fully embrace Agile practices, leading to a 70% reduction in time-to-market and facilitating rapid, iterative product releases.
- Successfully delivered multiple projects for businesses of various sizes, generating cost savings of up to 30% while maintaining uncompromised quality and client satisfaction.

Software Engineer | [YabberTech](https://www.yabberchat.online) | May 2022 – Nov 2022

<https://www.yabberchat.online>

Business focus on building real-time messaging application to seamlessly connect teams, enhance collaboration, and boost productivity.

Responsibilities

- Implemented real-time communication, real-time notification, multichannel communication, and unread message calculation and developed engaging user interfaces.
- Collaborated with a team of seven developers and five DevOps professionals to identify and address technical issues.
- Demonstrated expertise in code review and pull request creation in Bitbucket, ensuring the quality and integrity of the codebase.
- Utilized Jira for sprint management and participated in daily stand-up meetings through Slack or Gather.

Achievements

- 30% reduction in page load time through performance optimization.
- 20% increase in user interactions with real-time chat implementation.
- 100% score in security audits, resolving critical security vulnerabilities.
- 40% fewer bugs with automated testing implementation.
- 15% boost in team productivity due to exceptional contributions.

Soft Skills

- Proficiency in analyzing requirements and developing efficient workflows.
- Attention to detail, multitasking ability and a track record of problem-solving in dynamic environments.
- Excellent communication skills to collaborate effectively with cross-functional teams and stakeholders.

Certification

- AWS Certified Cloud Practitioner
- Professional Scrum Master

Education

Master of Construction Practice | Bond University | Sep 2018 – Feb 2020

- This degree provided a strong foundation in problem-solving and critical thinking skills and project management, which are highly applicable in software engineering.
- Transferable skills include team collaboration and the ability to manage complex tasks and deadlines, which are beneficial in working effectively within development teams.

References

- Available upon request