Congrui (Jerry) Wang

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Professional Summary

2025 University of Waterloo Computer Science graduate with 2+ years of hands-on experience developing scalable full stack applications using MERN stack and RESTful API. Proven record of optimizing efficiencies, workflow automation, and enhancing UI/UX through ReactJS, NodeJS, and AWS. Excellent problem-solving abilities and a commitment to write clean, scalable code.

Key Skills

- Languages: C, C++, JavaScript, Java, TypeScript, Python, HTML, CSS, SQL, Swift, Scala, Bash
- Frameworks: ReactJS, Express, NodeJS, Bootstrap, React Native, MongoDB, jQuery, MS Azure
- Tools: AWS, Firebase, VS Code, CI/CD(GitHub), Figma, PostgreSQL, Postman, Jira, Miro, Docker

Work Experience

Software Developer | Milk Moovement Inc.   May 2024 – Dec 2024
Tech Stack: MongoDB, Express, ReactJS, Node, AWS, Redis, Restful API   Halifax, NS
TypeScript, Postman, Jira, Slack,

- Designed and implemented **RESTful API** to support bulk CRUD operations, allowing users to modify and edit multiple schedule items in a single RESTful API request to reduce manual workload by 50%
- Developed a real-time comment feature with a complete Model-Service-Controller workflow in **Express**
- Implemented server-side logic in **Express to** validate accurate **MongoDB** data storage and retrieval
- Utilized **AWS S3** to store and retrieve tank seal images ensuring authenticity and safety compliance

Mobile App Developer – React Native | Vivid Seats LLC   Sept 2023 – Dec 2023
Tech Stack: React Native, Expo, React Animations, Redux RTK, Optimizely, Charles, Docker   Toronto, ON
React Native Debugger, Figma, TypeScript, Jest, BitRise, Braintree

- Developed an **A/B testing** tool using **RTK Query** and Optimizely API reducing testing time by 30%
- Resolved a major endpoint deletion bug occurred post-user logout through **API** calls and **Charles proxy**
- Utilized **Docker Compose** to run React Native frontend/backend services locally enabling consistent development and local testing with **Jest** and **ESLint** prior to CI/CD integration for improved efficiency
- Improved code stability and reliability by adding quality **Jest** unit tests for React components and hooks

Agile Software Engineering | TribalScale   Jan 2023- Apr 2023
Tech Stack: HubSpot CRM, Greenhouse API, Swift, AXJX, TypeScript, OAuth, XCode   Toronto, ON
ReactJS, DynamoDB, MS Azure, jQuery, Firebase, Postman, CoreML

- Automated 20+ modules reducing manual work by 70% via **AJAX** calls to Greenhouse job board API
- Refactored codebase improving workflow by 50% and migrated **Firebase** data to **DynamoDB**

Software Engineering Assistant | Makrwatch   May 2022- Aug 2022
Tech Stack: Python, JavaScript, React.js, Postman, AWS, SQLAlchemy, PostgreSQL,   Virginia, US
Monday API, CircleCI, Auth0, Google Cloud, ORM, Jira, Slack

- Automated the client onboarding process using **Python** scripts under company's hexagonal architecture
- Built an interactive web page to track real-time client setup status using **PostgreSQL** and Monday API

Projects

Washare | Android Mobile App   Jan 2025 - Present
Tech Stack: Android Studio, Kotlin, Firebase, Google Maps, Stripe, Junit, Jetpack Compose, GitLab, MVVM architecture

- Configured **Firestore** tables with an optimized **NoSQL** structure for efficient data storage and retrieval
- Developed map screen using **Google Maps API** with real-time location tracking and route suggestions
- Implemented unit and integration tests using **Junit** ensuring robust application reliability and bug-free

Education

Bachelor of Computer Science | University of Waterloo   *Sept 2020 – Apr 2025*
Courses: Big Data, AI, Network, Database, GenAI for LLM(Coursera), GenAI for Development(Coursera)