

Run Qi (Jack) Li

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Driven full-stack engineer with 2-years experience delivering data-driven features and improve operational efficiency. Proven ability to learn quickly, effectively debug, and communicate clearly. Eager to expand knowledge in modern full-stack web development and backend technologies using JavaScript, TypeScript, Python.

SKILLS

Working Knowledge: C#, ASP.NET, OOP, SQL, HTML, CSS, JavaScript, React, Git

Exposed To: Python, TypeScript, NextJS, GraphQL, FastAPI, Firebase, MongoDB, Postgres, AWS, Azure, GCP

EDUCATION

University of Waterloo

June. 2025 – Dec. 2025

Back-End Development Certificate (Upcoming)

Waterloo, CA

Back-End Frameworks and Architecture | Security, Database Design, and Concurrency | Cloud Services

University of Waterloo

Sept. 2014 – May. 2018

Bachelor of Knowledge Integration, Minor in Applied Language Studies - GPA: 3.79/4.0

Waterloo, CA

EXPERIENCE

Software Developer

Nov. 2023 – Current

ITI Group Inc - C#, ASP.NET, MySQL, JavaScript, TrakSYS, Ignition, SCADA, Git

Full-Time

- **Developed various custom web UI features** and components (inspection banners, operator dial-pads, RFID badge scanner logins) for Fortune 500 clients including Dupont, AstraZeneca
- **Reduced production defect reporting time by 70%** through the design and implementation of an keypad interface, **saving operators 20+ minutes daily** across four factory lines
- **Developed reusable SCADA component templates** and design documentation, enabling standardized layouts and faster deliver for 200+ sites across N.A & Europe, **reducing design time by 25%**
- **Enhanced codebase quality** by refactoring utility methods and **increased test coverage by 2%**
- **Reduced debugging and onboarding time** by regularly contributing technical wikis on Azure DevOps

Software Engineer

Sept. 2023 – Nov. 2023

MultipAI - Python, TypeScript, Postgres, EC2, S3, DynamoDB

Internship

- Increased data collected by **10%** via addition of new scraper built using Python, Scrapy, ScrapOps and EC2
- Spearheaded a serverless data-cleansing pipeline using DynamoDB, Dynamo Streams, Lambda
- Reduced data lost by **5%+** by increasing cardinality of keys and reducing TTL of Redis Elastic Cache
- Led bi-weekly sprints including planning, retro, stand-ups, scoping and assigning tickets

Software Developer

Jun. 2023 – Sept. 2023

ToBeDetermined Inc - JavaScript, Puppeteer, Firestore, GraphQL, Neon, NodeJS, GCP VMs

Freelance

- Exceeded expectations, received pay increase to **\$40USD/hr** from \$20USD/hr **in under 1 month**
- Spearheaded **10+** Puppeteer scrapers that collected data from a total of **1M+ urls** to Firestore
- Reduced development cost(**\$5k+**) through fine-tuning and automating data scraping process on GCP VMs
- Increased collectible quantity by **100 fold**/target url while reduced failed scrape from **8% to under 1%**
- Designed SQL schemas and performed data migration from heavily nested JSON collections to SQL database

Code Reviewer

May. 2023 – Oct. 2023

Scrimba - HTML, CSS, JavaScript

Part-Time

- Critiqued **30+** projects in HTML, CSS, JavaScript, and received consistent praise for high-quality feedback
- Introduced best practices in accessibility, responsive design, code formatting, and good coding habits
- Selected as Code Reviewer of the Week for best quality review amongst 30+ reviews

CERTIFICATIONS

AWS Certified Cloud Practitioner

Sep. 2023

Scrimba Frontend Developer Certificate

Apr. 2023

Google IT Support Professional Certificate

Jan. 2023