Run Qi (Jack) Li

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SUMMARY

Driven full-stack developer with 2-years experience developing custom software features in an international environment. Possesses unique work experience in translation, interpretation, and teaching. Adept at effective communication and collaboration. Eager to grow into a well-rounded software engineer.

SKILLS

Working Knowledge: C#, Python, JavaScript, SSMS, SQL, HTML, CSS, React, Git
Exposed: NextJS, GraphQL, FastAPI, Express, Node, MongoDB, Mongoose, Firestore, Docker, GCP, Azure

EDUCATION

University of Waterloo   June. 2025 – Mar. 2026
Back-End Development Certificate (Upcoming)   *Online*
Courses: Back-End Architecture | Security, Database Design, and Concurrency | Cloud Services

University of Waterloo   Sept. 2014 – May. 2018
Bachelor of Knowledge Integration, Minor in Applied Language Studies   *Waterloo, CA*

EXPERIENCE

Software Developer   Nov. 2023 – Present
ITI Group Inc - Manufacturing Execution Software development for industrial clients   *Full-Time*

- Developed and tested custom full-stack features (inspection banners, KPI dashboards, RFID badge scanner logins) using C#, ASP.NET, MySQL, JavaScript for clients including Dupont and AstraZeneca
- Reduced production defect reporting time by **70%** through the development of a keypad interface, saving operators **20+ minutes** daily across four factory lines, improving site's operational efficiency
- Improved codebase maintainability via refactoring and additional unit tests; Increased test coverage by **2%**
- Reduced team's debugging time by contributing **15+** How-To articles to internal wiki
- Led cross-team communication efforts between Canada and UK, clarifying technical requirements, and ensuring consistent alignment on project deliverables and timelines across different timezones

Software Engineer   Sept. 2023 – Nov. 2023
MultplAI - Backend development of data collection using Python and AWS services   *Internship*

- Increased data collected by **10%** via addition of new scraper built using Python, Scrapy, deployed on EC2
- Reduced data loss by **5%+** by increasing cardinality of keys and reducing TTL of Redis ElastiCache
- Led bi-weekly Agile sprints including planning, retro, stand-ups, scoping and assigning tickets

Software Developer   June. 2023 – Nov. 2023
ToBeDetermined Inc - Backend development & automation of GCP-hosted web scrapers   *Freelance*

- Exceeded expectations, received pay increase to **$40 USD/hr** from $20 USD/hr **in under 1 month**
- Spearheaded **10+** JavaScript Puppeteer scrapers that collected data from **1M+ URLs** to Firestore
- Increased collectible data quantity by **100 fold**/target URL while reducing failed scrapes from **8% to under 1%** through improved error handling and proxy rotation
- Migrate heavily nested JSON **(4MB+)** to SQL database using custom parsing algorithm and SQL tables