ERIC QUELCH

527 Gordon Ave, Apt 507
London, ON N6J 4A9
(519) 802-2824
quelchx@gmail.com

SUMMARY

Results-driven Full-Stack Developer with over 4 years of experience in designing, implementing, and optimizing web applications and backend systems. Proven track record of reducing costs, improving performance, and enhancing user experience. Adept in leveraging modern frameworks, libraries, and DevOps tools to accelerate development and ensure robust application delivery.

EXPERIENCE

ScriptString AI, Burlington, ON — *Lead Software Developer*

MAY 2022 - MAY 2024

- ❖ Rewrote application infrastructure, reducing monthly costs from $9,000–$11,000 to $2,000–$3,000, saving over $75,000 annually.
- ❖ Implemented CI/CD pipelines using Jenkins to automate deployments, accelerating feature releases and enhancing product reliability.
- ❖ Designed and implemented new frameworks and tools, reducing UI/UX load times by 30% and improving application responsiveness, increasing user engagement by 20%.
- ❖ Engineered scalable backend systems and transitioned to microservices, reducing response times and downtime, and enhancing system resilience and data processing.
- ❖ Redesigned data tools, improving code readability and performance, which led to more accurate data retrieval and better frontend performance.
- ❖ Optimized the build pipeline, reducing build times by 92%, accelerating development and iteration cycles.
- ❖ Created custom, responsive web applications and integrated machine learning models for document automation, significantly improving user engagement and reducing manual work for developers.

Fanshawe College, London ON — *Programming Tutor*

JAN 2021 - APR 2021

- ❖ Conducted tutoring sessions in Python, JavaScript, and web development, leading to a 15% improvement in student grades.
- ❖ Organized and led study groups and challenges, fostering an engaging and collaborative learning environment outside of regular classwork.

EDUCATION

Fanshawe College, London, ON — *Ontario College Diploma*

FEB 2019 - APR 2022

Completed Advanced Studies in Computer Programming and Software Engineering with a **3.5 GPA**.

SKILLS

Full-stack development: Frontend, backend, database management.
DevOps: CI/CD pipelines, automation, Jenkins.
Performance optimization: Caching, testing, load balancing.
AI/ML tools: Integration of LLMs for automation
Soft skills: Communication, problem-solving, collaboration

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Golang.
Frameworks/Libraries: Vue.js, React, Next.js, Nuxt.js, Node.js, Express, Django.
DevOps Tools: Jenkins, Docker, Kubernetes.
Database Management: MySQL, PostgreSQL, MongoDB
Version Control: Git, GitHub
CI/CD Pipelines: Jenkins, Github Actions, Railway

PROJECTS

AOS Vue

Enhanced the AOS library for Vue.js to deliver seamless scroll animations for web elements.
~ **github.com/quelchx/aos-vue**

Vue Writer

Developed a versatile typewriting component for Vue.js, achieving over 50,000 downloads and integration in 400+ projects. Improved developer experience by providing customizable and reusable UI components.
~ **github.com/quelchx/vue-writer**

PERSONAL LINKS

~ **github.com/quelchx**
~ **quelchx.up.railway.app**
~ **linkedin.com/in/quelchx**