

# Suleyman Kiani

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## EDUCATION

### McMaster University

*Bachelor of Applied Science in Computer Science CO-OP*

Hamilton, ON

Sep. 2018 – Nov 2024

## EXPERIENCE

### Software & IT Systems Dev

Aug. 2024 – Present

*Burlington Training Centre*

*Burlington, ON*

- Enhanced mobile application development skills by incorporating knowledge of embedded software, data structures, and Windows development to optimize business operations, resulting in a **20%** increase in operational efficiency.
- Utilized database optimization techniques like **Docker** and **Terraform** for seamless multi-environment deployments, enhancing system performance and demonstrating proficiency in Linux Kernel development.
- Collaborated with distributed teams to integrate payment systems into the platform, **enhancing revenue by \$50,000** through optimized transaction fees, automated billing workflows, and demonstrating expertise in ARM CoreSight architecture.
- Enhanced customer engagement by **30%** through targeted notifications and rapid follow-ups by automating review requests with **AWS Lambda** and **RDS**, showcasing proficiency in debugging and problem-solving skills in Linux Kernel development.

### Junior Web Developer

May 2021 – Aug 2022

*Giftcash Inc.*

*Remote*

- Proficient in building mobile and web applications at scale using **React Native**, **Swift**, **Kotlin**, **Java**, **Typescript**, and **JavaScript**, demonstrating adaptability and proficiency in modern tech stacks, aligning with the need for embedded software development skills.
- Experience in database optimization and performance tuning, essential for large-scale systems, aligning with the need for understanding CPU, memory, and bus architectures in embedded software development.
- Proficient in building mobile and web applications at scale using **React Native**, **Swift**, **Kotlin**, **Java**, **Typescript**, and **JavaScript**, demonstrating proficiency in Agile methodologies and automation, aligning with the need for Windows and Linux Kernel development experience.
- Proficient in implementing CI/CD pipelines to streamline rapid development and deployments, showcasing expertise in continuous integration and continuous deployment practices, aligning with the need for excellent debugging skills and ARM CoreSight familiarity.

## PROJECTS

### E&S Solutions | *Next.js, React, AWS, Docker, GitHub Actions*

May 2023 – Present

- Co-founded a software services venture delivering cloud-native, full-stack solutions for small businesses.
- Developed multiple scalable **TypeScript**-based applications using **Next.js** and **React**, deploying them on **AWS (EC2, S3, CloudFront)** and **Vercel** to achieve sub-second page loads, minimal latency, and availability.
- Automated complex data workflows using **Bash**, **Python**, and **Docker**, significantly reducing manual aggregation efforts by **80%**, enhancing error handling and logging, and accelerating data-driven decision-making.
- Configured CI/CD pipelines with **GitHub Actions** and **Docker** to ensure rapid, reliable releases.

### SKompXcel Academic Solutions | *Google Cloud, React, Python*

Jan 2024 – Present

- Founded a tutoring and mentorship platform for Computer Science and Software Engineering **20+** students.
- Architected the platform on **Google Cloud** (Compute Engine, Cloud Storage) for scalable hosting.
- Developed a **React** frontend with integrated scheduling and booking workflows to reduce administrative overhead.
- Leveraged **Python** for data reporting and performance tracking, increasing student success rates by **80%**.

### Suley Fitness Portfolio | *Next.js, Tailwind CSS, React, Spotify API, Instagram API*

2023 – Present

- Developed a personal portfolio consolidating a blog, Spotify viewer, and Instagram viewer using **Next.js** and **Tailwind CSS**, showcasing my journey as a Developer, Personal Trainer, Tutor, and Martial Arts Instructor.
- Integrated external APIs with secure **OAuth 2.0** to fetch real-time data; view the blog at [suleyman.io/articles](https://suleyman.io/articles), the Spotify viewer at [suleyman.io/spotify](https://suleyman.io/spotify), and the Instagram viewer at [suleyman.io/insta](https://suleyman.io/insta).

### Safety Net Crime Mapping | *Java, OpenCSV, LocationIQ API, Dijkstra's Algorithm*

2023

- Developed a data-intensive **Java** application analyzing and visualizing over **4M+** NYPD arrest records, enabling user queries, borough-level crime filtering and real-time safety insights for tourists and real estate investors.
- Implemented **Dijkstra's Algorithm** for real-time crime-weighted pathfinding, reducing geocoding lookup **40%**.

## TECHNICAL SKILLS

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**Languages:** C, C++, Python, JavaScript, TypeScript, Java, Assembly

**Frameworks & OS:** Linux Kernel, Windows Development, FreeRTOS, QNX, Zephyr, Next.js, React, Node.js, Flask, Django

**Developer Tools:** Git, Docker, Kubernetes, GitHub Actions, Visual Studio, LLVM Compiler, Windows Performance Analyzer, Terraform, Redis, SQLServer

**Cloud & Databases:** AWS (EC2, S3, CloudFront, RDS), Google Cloud Platform, PostgreSQL, MongoDB

**Other Skills:** Embedded Software, Data Structures, Debugging, Open Source Development, IPC, System Debug, ARM CoreSight, CPU Architecture, Memory Architecture, Bus Architecture