

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

- Designed and deployed a robust full-stack platform using **Next.js**, **TypeScript**, and **Node.js**; incorporated **automated testing** practices with **JUnit** and **TestNG** to validate backend functionalities, leading to a **20% improvement** in operational efficiency.
- Leveraged **Docker** and **Terraform** to establish containerized, multi-environment deployments; integrated **CI/CD pipelines** with **Jenkins** and **GitHub Actions** alongside version control (Git) to streamline automated testing and continuous delivery.
- Integrated Square and Chargify payment systems while **embedding API tests** using methodologies akin to **REST Assured** to ensure data integrity and functionality, contributing to an annual revenue boost of **\$50,000**.
- Automated personalized review requests using **AWS Lambda** and **RDS**; embedded automated test cases and quality metrics to maintain process consistency and **improve customer feedback by 30%**.

Junior Web Developer

May 2021 – Aug 2022

Giftcash Inc.

Remote

- Migrated a legacy **Python/Django** monolith to a **Node.js serverless microservices** architecture; integrated automated unit and integration tests with **JUnit/TestNG** to achieve a **15%** scalability improvement.
- Enhanced **PostgreSQL** performance through indexing, caching, and query tuning; implemented automated performance test cases to **reduce response times by 20%**.
- Developed **Agile data extraction workflows** using Puppeteer and Axios; incorporated automated **API test scripts** inspired by REST Assured to verify gift card balance extractions and boost operational efficiency by **25%**.
- Established **CI/CD pipelines with Jenkins** and **GitHub Actions**—integrating automated tests and leveraging Git for version control to support **rapid development cycles** and continuous **quality assurance**.

PROJECTS

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

May 2023 – Present

- Co-founded a cloud-native, full-stack software services venture; implemented automated testing frameworks and integrated **CI/CD pipelines** (using GitHub Actions and Git) on **AWS (EC2, S3, CloudFront)**.
- 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.
- Developed scalable applications using **Next.js** and **React**; embedded unit and **integration tests** modeled on **JUnit/TestNG** principles to maintain superior software quality.

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

2023 – Present

- Developed a personal portfolio featuring a blog, Spotify viewer, and Instagram viewer using **Next.js** and **Tailwind CSS**; ensured secure OAuth flows with API tests inspired by REST Assured methodologies.
- Implemented automated tests for real-time data synchronization across external APIs, significantly enhancing user experience and reliability; view the blog at suleyman.io/articles, the Spotify viewer at suleyman.io/spotify, and the Instagram viewer at 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

Languages & Scripting: Java, JavaScript, TypeScript, Python, Node.js, HTML, CSS, Bash

DevOps Tools: Docker, Kubernetes, Jenkins, GitHub Actions, Terraform, Git

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

Monitoring & Automation: Prometheus, Grafana, Automated Testing (JUnit, TestNG, REST Assured, Selenium)