

Freddy Shaikh

DEVOPS ENGINEER - SOLUTIONS ARCHITECT

Toronto, Canada

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Skills

Languages	Java, Python, Go, SQL, Powershell, Bash, and VBA
Frameworks	AWS, GCP, Kubernetes, Terraform, Spring boot, Django, Vizard, Selenium, Git, Jenkins
Concepts	API designs, Test driven development, Micro-frontend, CI/CD, Agile, Scrum, Kanban, REST, and Infrastructure as Code

Experience

Santoku Corporation www.Rimm.ai

Toronto, Canada

DEVOPS ENGINEER

April 2021 - PRESENT

- Proactively identified inefficiencies in IT resources and conducted proof-of-concepts for cost-effective cloud solutions.
- Re-architected monolithic application into micro-services to increase up-time and efficiency in the cloud.
- Utilized AWS Lambda to automate IT tasks such as server health-checks, and create automated SNS alerts.
- Implemented Docker containers and orchestrated them with Kubernetes for improved scalability and fault tolerance.
- Utilized infrastructure-as-code principles to design and manage AWS cloud infrastructure using Terraform, reducing provisioning time by 50%.
- Conducted regular security audits and implemented security best practices using AWS IAM to ensure compliance with industry standards.
- Created a hybrid cloud solution using AWS file gateway to allow for lower latency workflow and asynchronous cloud development.
- Participated in agile ceremonies, including daily stand-ups, sprint planning, and retrospective meetings.

SOFTWARE ENGINEER

August 2019 - August 2021

- Planned, researched, and created haptic VR system prototypes.
- Refactored legacy code to use object-oriented programming.
- Developed RESTful microservices by leveraging Java 8 & Spring boot in a full-stack Agile team setting.
- Created automated unit, integration, and API tests for VR training programs.
- Participated in distributed system architecture design.
- Read and collected information from 56 books and 103 scientific articles to design a joint psychology research project with a university.
- Consulted with university professors, psychology experts, and industry leaders to design a prototype Haptic VR training system.
- Trained clients on how to setup and operate Haptic VR training programs.

Projects

Portfolio Project (FreddyShaikh.com)

- Created a portfolio website using JavaScript, HTML, and CSS to showcase my front-end skills.
- Currently deployed into production using AWS Content Delivery Network for low latency static content delivery.

Google Drive Clone (github.com/Freddy-S3/Google-Drive-Clone)

- Created a fully functional file manager application similar to Google Drive using Laravel, PHP, Inertial, and Vuejs to showcase my backend skills.
- The application comes with the following functionalities: creating folders at unlimited depth, uploading files and folders, deleting and downloading files, searching for files, sharing files, uploading files to AWS S3 and more.
- JWT web token are used as authentication between the frontend and backend.

Certifications & Awards

In Progress	Google Cloud GCP Certification - Professional Machine Learning Engineer , Google Cloud Certification	Toronto, Canada
2024	Google Cloud GCP Certification - Professional Cloud Architect , Google Cloud Certification	Toronto, Canada
2023	AWS Certified Solutions Architect - Professional , AWS Training and Certification	Toronto, Canada
2021	AWS Certified Solutions Architect - Associate , AWS Training and Certification	Toronto, Canada
2020	AWS Certified Cloud Practitioner , AWS Training and Certification	Toronto, Canada
2019	Japanese Level N2 Certification , Japanese Language Proficiency Test	Tokyo, Japan
2018	TEFL Teaching Certification , University of Toronto	Toronto, Canada
2016	University Senate Scholarship , McMaster University	Hamilton, Canada
2014	Grade 12 French Certification , Peel District School Board	Toronto, Canada

Education

McMaster University

Hamilton, Canada

BACHELOR OF HONORS SCIENCE

September 2014 - April 2018