Freddy Shaikh

DEVOPS ENGINEER - SOLUTIONS ARCHITECT
Toronto, Canada

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Skills

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

Experience

Santoku Corporation www.Rimm.ai   *Toronto, Canada*

DEVOPS ENGINEER | CLOUD ARCHITECT   *August 2022 - 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, efficiency, and durability in the cloud.
- Utilized infrastructure-as-code principles to design and manage AWS cloud infrastructure using Terraform, reducing provisioning time by 50%.
- Implemented Docker containers and orchestrated them with Kubernetes for improved scalability and fault tolerance.
- Utilized AWS Lambda to automate IT tasks such as server health-checks, and create automated SNS alerts.
- Conducted regular security audits and fulfilled security best practices using AWS IAM to ensure compliance with industry standards.

SOFTWARE ENGINEER   *August 2019 - August 2022*

- Planned, researched, and created haptic VR system prototypes.
- Refactored legacy code to use object-oriented programming.
- Created automated unit, integration, and API tests for VR training programs.
- Engaged in agile ceremonies, including daily stand-ups, sprint planning, and retrospective meetings.
- Read and collected information from 56 books and 103 scientific articles to design a joint psychology research project with a university.
- Served as a consultant to clients for custom haptic VR training software.

Japan Exchange Teaching (JET) Program   *Tokyo, Japan*

ENGLISH LANGUAGE TEACHER   *August 2018 - August 2019*

- English language teacher to over 1000 elementary and 500 middle school students.

Credit Valley Hospital   *Toronto, Canada*

HOSPITAL VOLUNTEER   *August 2014 - August 2018*

- Worked with physiotherapists to aid and encourage patients in achieving rehabilitative objectives through walking and exercise.

Projects

Portfolio Project (FreddyShaikh.com)

- Designed a portfolio website using JavaScript, HTML, and CSS to showcase 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 back-end skills.
- Includes the following functionalities: creating folders at unlimited depth, uploading files or folders, deleting or downloading files, searching for files, sharing files, uploading files to AWS S3 and more.

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*
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*