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 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   *August 2021 - PRESENT*

- Identified 20% inefficiency in IT resources and executed proof-of-concept trials for cloud solutions, driving a 25% reduction in operational costs.
- Re-architected onsite monolithic application into cloud micro-services to increase up-time, efficiency, durability, and fault-tolerance.
- Utilized infrastructure-as-code principles to design and manage AWS cloud infrastructure using Terraform, reducing provisioning time by 50%.
- Containerized application with Docker and orchestrated containers with Kubernetes for a 75% decrease in downtime.
- Implemented AWS Lambda for robust monitoring, alerting, IT task automation, and event-driven architecture. Resulted in 30% less IT events.
- Conducted regular security audits and fulfilled security best practices using AWS IAM to ensure compliance with industry standards.
- Produced a hybrid cloud solution using AWS file gateway to allow for 60% lower latency workflow and asynchronous cloud development.
- Evaluated over 20 emerging technologies for potential adoption into existing workflows, driving continuous improvement initiatives.
- Engaged in agile ceremonies, including daily stand-ups, sprint planning, and retrospective meetings.

Software Engineer   *August 2019 - August 2021*

- Planned, researched, developed, and programmed over 10 haptic VR systems and prototypes.
- Refactored legacy code by creating reusable components via object-oriented programming to reduce the code base by 5000 lines
- Coded Python scripts for process automation to reduce repetitive tasks by 75%.
- Performed as part of a team of 10 in designing distributed system architecture and software development.
- Developed RESTful APIs enabling seamless communication between front-end interfaces and back-end services.
- Read and collected information from 56 books and 103 scientific articles to design a joint psychology research project with a university.
- Consulted with 3 university professors and 3 psychology experts to design prototype haptic VR training systems.
- Trained over 30 clients on how to setup and operate haptic VR training programs. Represented the company for 80% of sales outside of Japan.

Projects

Portfolio Project (FreddyShaikh.com)

- Designed 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 of under 400 milliseconds.

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 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*
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*