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 Infrastucture 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

Porfolio Project (FreddyShaikh.com)

- Created a portfolio website using JavaScript, HTML, and CSS to showcase my front-end skills.
- Currently the product is 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.
- The application comes with the following functionalities: creating folders at unlimited depth, uploading files and folders, deleting and down-loading 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 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, ON*
2018	**Dean's Honours List**, McMaster University	*Hamilton, ON*
2016	**University Senate Scholarship**, McMaster University	*Hamilton, ON*
2014	**Grade 12 French Certification**, Peel District School Board	*Toronto, ON*

Education

McMaster University   *Hamilton, ON*

BACHELOR OF HONORS SCIENCE   *September 2014 - April 2018*