

VIJAY PATEL

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Experience

PagerDuty

Toronto, ON

INFRASTRUCTURE SOFTWARE DEVELOPER INTERN

May 2021 - Aug 2021

- Reduced project effort by developing a script to automate pull requests with the required changes for services to migrate from JFrog Artifactory to AWS ECR for their Docker images
- Upgraded deployment tool which allowed developers to identify errors in their Terraform code
- Set up monitoring and performed proactive maintenance of team's services
- Technologies: AWS, Terraform, Python, Ruby, Bash

TD Bank Group

Toronto, ON

SOFTWARE DEVELOPER INTERN

Sept 2020 - Dec 2020

- Upgraded e-transfer recipient management API to new version of Interac, which allowed for a one-step e-transfer using account numbers in addition to the current multistep process involving email/mobile
- Ensured reliability of API by providing data validation and error responses according to business requirements
- Managed the development of stub services which accelerated the development of new payment APIs by multiple weeks; These stubs were used in place of services that were not yet available
- Technologies: Java, Spring

Dream Payments

Toronto, ON

DEVOPS ENGINEER INTERN

May 2020 - Aug 2020

- Decreased operational costs by redesigning and updating the entire CI/CD pipeline codebase to be holistic and reusable across various projects.
- Increased the availability and reliability of microservices by implementing vertical and horizontal autoscaling
- Implemented AWS App Mesh onto Kubernetes clusters to monitor network traffic and increase communication efficiency between services across infrastructure
- Created AWS CloudWatch dashboards and alarms to monitor the performance of clusters
- Technologies: Kubernetes, AWS (EC2, S3, App Mesh, CloudWatch, CloudFormation, EKS, CodePipeline)

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IT ANALYST INTERN

May 2019 - Aug 2019

- Decreased server downtime by developing scripts to automate cloud monitoring
- Designed and built a process to manage over 20 000 security risks related to environment access
- Technologies: Python, Rundeck, Microsoft Office

Projects

Should I Eat This? (Node, Express, MongoDB, Bootstrap)

- Developed a full-stack recipe rating application, in order to encourage more people to cook at home
- Users can share their own recipes, while reviewing and commenting on others' recipes

Skills

Languages Python, JavaScript, Java, Ruby, C, Bash, HTML/CSS, SQL, Assembly, MATLAB
Frameworks Node, Spring, React, Express, Flask, Bootstrap
Cloud Tools Kubernetes, Terraform, AWS, Linux, Git

Education

B.Eng.Mgt, Computer Engineering and Management

Hamilton, ON

MCMaster UNIVERSITY

Dec 2022

- Relevant Courses: Principles of Programming, Data Structures and Algorithms, Operating Systems