

VIJAY PATEL

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Experience

TD Bank Group

Toronto, ON

SOFTWARE ENGINEER 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 routing and account numbers in place of the current multistep process
- 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, XL Release, Atlassian (Bitbucket, Jira, Confluence), Sonatype Nexus

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 vulnerabilities related to environment access
- Advised on over 200 software updates to the change-management team to ensure that development standards were met before being put into production
- **Technologies:** Python, SaltStack, Rundeck, MSSQL, Excel

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

Group Chat (Node, React, Redux, Redux-Saga, WebSockets)

- Built a distributed chat room application to allow users to communicate anonymously with everyone
- Managed data using Redux, side effects with Redux-saga, and client-server communication with WebSockets

Skills

Languages JavaScript, Java, Python, Go, C, Bash, HTML/CSS, SQL, Assembly, MATLAB

Frameworks Node, Spring, React, Express, Flask, Bootstrap

Cloud Tools Kubernetes, AWS, Linux, Git, Docker, SaltStack

Education

B.Eng.Mgt, Computer Engineering and Management

Hamilton, ON

McMASTER UNIVERSITY

April 2023

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