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Victor Cho

DevOps Engineer

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PROFESSIONAL EXPERIENCE

Everlink Payment Services

DevOps Engineer

Toronto, ON

AUG 2023 — Present

- Automated deployments and improved reliability using CloudFormation and Terraform for roles, policies, and Lambda functions.
- Set up a self-hosted GitLab CI/CD platform on AWS EC2, configured AWS SES for SMTP, building the foundation for the DevOps team.
- Documented legacy applications and integrated them with the Gitlab CI/CD pipeline, increasing efficiency by 50%.
- Enhanced security with monthly ECR vulnerability scans and log forwarding to Sumo Logic for ELB and ECS microservices.
- Optimized Linux operations with bash scripts, systemd services, and file systems, driving cost savings and disaster recovery.
- Increased efficiency by 50% with improved documentation and seamless execution of production changes across teams.

Canadian Imperial Bank of Commerce (CIBC)

DevOps Engineer

Toronto, ON

SEP 2022 — JUN 2023

- Enhanced Pega Cloud data retrieval by leveraging PowerShell scripting and efficient Java/Bash scripts, achieving a 70% improvement in data retrieval efficiency.
- Implemented Java/JDBC SQL query automations for effective monitoring of Cloud transactions.
- Translated PowerShell scripts into Bash to facilitate comprehensive automation testing across different platforms.
- Streamlined app deployment by resolving Jenkins pipeline issues, resulting in a 50% deployment efficiency.
- Deployed and maintained packages in On-prem and Cloud Pega environments for testing and production.
- Adapted automation scripts for seamless functionality across different platforms, enhancing overall efficiency and effectiveness.

Stingray Business

Junior DevOps Engineer

Toronto, ON

AUG 2021 — July 2022

- Developed PowerShell scripts for continuous REST API querying, enabling real-time data sync in AWS S3.
- Created scripts to automate provisioning a fleet of to-be-deployed devices and content handling, increasing deployment efficiency by 60%.
- Ensured smooth operation of digital billboards by managing and maintaining the backend codebase.
- Resolved complex Docker issues thorough troubleshooting and system optimization.

Software Engineer Intern

JUN 2020 — JUL 2021

- Improved real-time updates in AWS S3 by 50% by script optimization with Bash and PowerShell.
- Developed scripts for automated installations, reducing provisioning time by 50%.
- Created server-side system to track deployed devices.
- Managed and optimized back-end code for remote machine data.

Novramedia (Stingray)

Software Engineer Intern

Toronto, ON

MAY 2019 — AUG 2019

- Translated Ruby scripts into PowerShell, achieving data upload automations on AWS S3.
- Designed JavaScript and HTML websites for clients.
- Developed JavaScript code for querying and managing data in Dockerized Apache CouchDB instances.
- Efficiently handled and updated data in AWS S3 and Apache CouchDB.

SKILLS

Scripting & Development

Powershell, Bash, Python, Java, SQL

OS & Tools

Linux, Docker, Sumo Logic, Amazon Web Services, Docker, Terraform, Jenkins

EDUCATION

University of Toronto, St George

Bachelor of Cognitive Science, Minors in Statistics, Linguistics

SEP 2017 - NOV 2021

Track - Computational Cognition

PERSONAL PROJECTS

vccho.com - Personal Website

JUN 2023

Personal website using AWS S3 for secure and scalable storage. Route 53 was utilized to connect my custom GoDaddy domain to the S3 bucket, ensuring easy access to the website. The project achieved a professional online presence with reliable website hosting and enhanced branding. SSL/TLS encryption was implemented for secure browsing using AWS Cloudfront.