

Chen Qian

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EXPERIENCE

Bell Canada

July 2024 – Present

Software Developer

Montreal, QC

- Developed reusable **Terraform modules** for standardized cloud infrastructure deployment, including **VPCs, subnets**, and security **groups**. ensuring consistency across environments, reducing setup time by **60%**, and enhancing scalability.
- Administered centralized Platform Landing Zones in **AWS** and **GCP**, integrating shared services like **IAM, networking** connectivity, and management. achieving a **25%** gain in operational efficiency and a **30%** reduction in resource duplication.
- Engineered hybrid-cloud-compatible landing zones using Terraform to integrate on-premises and cloud resources, increasing workload portability by **30%** and improving adaptability for diverse deployments.
- Automated provisioning workflows with Terraform and GitLab CI/CD, reducing manual intervention by **40%**, cutting configuration errors by **40%**, and improving provisioning speed by **50%**.

Bell Canada

May 2023 – Aug 2023

Software Developer Intern

Montreal, QC

- Created and maintained high-volume web applications capable of processing **4 to 5** million daily transactions using Python **RESTful APIs**, with deployments managed via **Kubernetes** and **Docker** on OpenShift, enhancing performance reliability
- Partnered with cross-functional teams in an Agile framework to design cloud-native microservices for carrier routing using **Java, Spring Boot**, and **PostgreSQL**, improving security and operational efficiency
- Engineered a **Django** based web tool that enables technicians to swiftly extract server logs, streamlining the troubleshooting process and boosting operational efficiency by **20%**.
- Designed and led the execution of comprehensive end-to-end testing, , which improved application scalability by **30%**.
- Optimized **CI/CD pipelines** using **GitLab**, automating deployment stages to achieve zero-downtime releases, ensuring seamless integration of updates and maintaining high system performance.

EDUCATION

Concordia University

Montreal, QC

Bachelor of Computer Science

Sept 2019 – June 2024

TECHNICAL SKILLS

Programming Languages: Golang, Java, C#, Python, SQL, JavaScript, HTML, CSS

Frameworks: Vue.js, Spring Boot, Django, RESTful API, FastAPI, Bootstrap

Platform: MacOS, Windows, Linux

Developer Tools: Git, Github, Gitlab, Jira, Confluence, Docker, Kubernetes, MongoDB, MySQL

Cloud platform and Tools: AWS, GCP, Terraform, Prometheus, Grafana