

Jeffrey Wong

Toronto, Ontario, Canada

EXPERIENCE

Software Platform Engineer [BackEnd/Cloud Infra] – Bell Canada

September 2022 – Present

- Develop API endpoints for automating the process of multi network provision, eliminate all human intervention and reduce provision time from weeks to hours.
- Develop Kafka event driven **server-less apps** in **Java** for 5G network slicing.
- Create GCP cloud run parser in **Scala** for ingesting bucket data.
- Use **Terraform** to manage GCP resources.
- Managing and scaling containerized applications using **Kubernetes** through setting up and managing **Gitlab CI/CD** pipelines and GitHub Actions for automated testing and deployment.
- Create Slack app with YAML for pipeline visibility and reporting.
- Empowered site reliability engineers through **documentation of new software** with necessary data to build KPI's.

Software Engineering Intern [FullStack] – Bell Canada

May 2021 – August 2021

- Developed inventory management web app to track and predict seasonal demand for telecommunication related supplies.
- Utilized **Python w/ Django**, SQL, and React & designed REST API Schema.
- Collaborated with clients to understand their business needs and develop technical solutions through frequent deployments.
- **Reduced time** needed by RF Engineers for inventory management by **40%**.

Contract Software Engineer [FullStack] – PB Communications

Sept 2020 – March 2021

- Created full stack application using React, Python, and MongoDB to store user data.

Software Engineering Intern [Mobile] – Bell Canada

May 2019 – August 2019

- Developed a network calculator within existing Android code base (Java and XML), **enhancing RF Engineers' efficiency by 30%**.
- Processed user input through network-specific functions.
- Designed an intuitive UI for the information module, displaying cell phone and radio specs.

PAST PROJECTS

Hobby Mechanic and Amateur Motor Sports Open Lapping

2021 – Present

- Experience working on German vehicles. Experience in diagnosing and repairing issues utilizing tools and software to identify problems.
- Participate in local racing events, demonstrating strong technical skills and a commitment to safety and performance.

AWS EC2 OpenVPN Server

Sept 2023

- Created RSA keys/certs within Linux and enabled mobile connectivity.
- Navigated AWS security rules, storage configs and VM creation process.

Western Engineering Robotics – Western Engineering

Sept 2019 – May 2021

- Managed team in the designing and constructing carbon fiber 6 foot tall walking robot. Coordinated printing, budgeting, CAD design and assembly.

LINKS/CONTACT INFO

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<https://shinytiny ninja.github.io/>

EDUCATION

University of Western Ontario

London, Ontario, Canada

Sept 2018 – August 2022

Bachelors of Science,

(4 year) Specialization in Computer Science

Focus in computer networks, software testing, databases, parallel programming, and project management.

AWARDS

Winner – Bell Canada

Received 2024 Innovation and Excellence Award for efforts related to modernization. Recognized by VP and awarded cash bonus.

1st Place – Western University Engineering Competition

Top team in Programming, created a multi threaded solution for the travelling salesman problem.

Entrepreneurship Award – HackWestern University Hackaton

Recipient award given by venture capital firm for “MailSafe”, an in browser extension to harden financial security by reduce phishing through independent sender verification.

SKILLS

Technical

Python, Scripting, JVM[Kotlin, Java, Scala], Kubernetes, Google Cloud, Arduino, C++, Linux, Terraform, MongoDB, Kafka, Hadoop.

Collaboration

Jira & Confluence, Agile workflows involving Scrum & Kanban, DORA metrics.

Training's

OWASP Top 10 Security Practices, GCP Data Engineering Learning Path (Exam prep).

Soft Skills

Developing Effective Business Presentations (Nov 2022)