

# 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://shinytinyninja.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)