

Georges Chamoun

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EXPERIENCE

Software Developer

Feb. 2023 – Present

Ericsson

Ottawa, ON

- Implemented features in **real-time Cloud RAN micro-services** using **Golang**, allowing for manual multi-band configuration and usage, speeding 5G Cell initialization process
- Conducted in-depth **analysis** of Golang micro-service by identifying areas for changes, allowing for successful integration of new **APIs** as part of a service refactoring initiative
- Modified **Protobuf** files to incorporate configuration changes, permitting integration with various **gRPC** services
- Refined **unit and black box** tests by adding new test cases and updating test data, ensuring edge cases were covered while maintaining **>90%** coverage

Software Developer (Volunteer)

Oct. 2022 – Present

Software For Love

Ottawa, ON

- Developed a calendar page using **React**, focusing on an intuitive and responsive design, allowing volunteers to easily view and manage shifts

Software Developer Intern

Jan. 2022 – Dec. 2022

Privy Council Office

Ottawa, ON

- Revamped legacy code by building an internal application using **Angular** and **.NET** to track and manage Canadian Ministries information, improving response time and providing a more satisfactory user experience
- Restructured API responses by implementing efficient **SQL querying** techniques using **.NET and EF Core**, optimizing data sent to the front-end

Database Administrator Intern

May 2021 – Dec. 2021

Privy Council Office

Ottawa, ON

- Monitored **SQL** and **MySQL** databases by proactively resolving databases issues and maintaining servers as notified, guaranteeing department wide services were regularly available

Software Developer Intern

Jan. 2020 – Apr. 2020, Oct. 2020 – Dec. 2020

Treasury Board of Canada Secretariat

Ottawa, ON

- Championed the development of an authentication API using **ASP.NET** by adding password support, JWT generation and custom guards to protect endpoints
- Build database models using code-first migration pattern through **EF Core**, ensuring that **OOP classes** adhere to database design conventions
- Introduced **DevOps** practices such as **CI/CD** pipelines using **GitHub Actions**, establishing proper software life cycle

PROJECTS

Tempus (Capstone Project) | *Typescript, NestJS, Angular, PostgreSQL, TypeORM, Docker, GitHub Actions*

- Used **NgRx** state management to store and retrieve user data, significantly reducing API calls and optimizing resource utilization
- Provided insights and opinions during design meetings, tasks during sprint meetings and conducted code reviews

ShopSmart (uOttahack 2023 Winner) | *Javascript, HTML, CSS, Canvas*

- Built a Chrome extension analyzing user activity on any given website, producing a heat-map showing their exact usage patterns

WrappedUp | *Nextjs, Flask, Spotify Web API, Redis, Docker*

- Developed a web app utilizing Spotify's Wrapped playlists, offering trend analysis and insights through intuitive graphs, enabling users to compare songs, artists, and albums over multiple years
- Optimized performance by containerizing the app with **Docker** and implementing server-side caching using **Redis**, resulting in reduced Spotify Web API calls and **80%** improvement in response time

TECHNICAL SKILLS

Languages: Typescript, Python, C#, Java, SQL, JavaScript, Go, HTML/CSS

Frameworks / Libraries: ASP.NET, NestJS, EF Core, Flask, Node.js, Angular, React, Next.js, Material-UI

Developer Tools: Git, Postman, Docker, Azure DevOps, SSMS, MySQL Workbench, Gerrit

EDUCATION

University of Ottawa

Ottawa, ON

BASc. Software Engineering

Sept. 2018 – Dec. 2022

- CGPA: 9.74/10 (A+), Dean's Honour List