

LUCAS GAUK

Full Stack Developer

Contact

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📍 Quebec City, Canada
(Open to relocation)

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Education

📍 Bsc. Computer Engineering
University of Alberta

Skills



Spring Boot
2 Years



Angular 2+
2 Years



Apache Kafka
2 Years



MongoDB
3 Years



Git
5 Years



MariaDB
5 Years



GraphQL
1 Year

Professional Experience

Full Stack Developer Paradocs Mountain Software

Used [Spring Boot](#), MongoDB, [Apache Kafka](#), and Apache Avro to create multiple event driven API microservices to handle sales, access control, product configuration, and more.

Used [Electron](#) and [Angular 6](#) to create multiple front end applications to allow users to interact with the Spring microservices as well as handle local workstation interactions like payment terminal integration, printer integration, and file / PDF saving.

As the lead developer in charge of reporting, leveraged the [MongoDB](#) aggregation pipeline to provide complex accounting and order reports. By focusing on optimizing read time by sacrificing update time, managed to increase the speed of heavy revenue reports exponentially while still reducing server load.

Used [Spring WebFlux](#) and reactive MongoDB repositories to handle large queries, data interactions, and calculations with minimal memory usage and back-pressure.

Helped train new team members in Spring / Angular best practices, conventions, and project structure. Reviewed commits and participated in [code reviews](#) with other team members.

Used [Jenkins](#) and Ansible Playbook to allow for automatic testing and deployment of applications.

Part of a small, tightly knit team using [YouTrack](#) to empower Agile development. Limited developers and tight schedules helped increase my ability to rapidly shift between projects and learn new libraries / frameworks / devops tools on demand.

Provided customer support in [French](#) and [English](#) for our deployed applications. Used TeamViewer and on site visits to document and fix bugs in our software.

Sept 2018 - Present

Access Developer Alberta Health Services

Redesigned and repaired the AHS Value Added Benefits Access database. Complete overhaul of [SQL](#) table design and [VBA](#) code in order to reduce complexity, decrease code length, and adhere more closely to standard Access design conventions.

2017 (Co-op)

Java Developer Alcatel Lucent / Nokia

Created [Java](#) applications that leveraged Nokia's Motive CDP [IoT](#) device management platform and the OMA LWM2M protocol that were used by the internal team as training and released to the public as additional documentation for the platform.

2017 (Co-op)

Access Developer Rio Tinto Alcan / Strathcona Works

Redesigned and rebuilt the Strathcona Works Microsoft Access database from the tables up. The database was used to log the plant's work orders, preventative maintenance, and equipment. Complete overhaul of [SQL](#) tables and [VBA](#) code.

2016 (Co-op)

References available upon request.