LUCAS GAUK

Full Stack Developer

Contact

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📍 Quebec City, Canada
(Open to relocation)

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🔊 (780) 243-4683

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.