

# Lance Gomes

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## Skills

**Languages:** Python, Java, Javascript/TypeScript, C, Bash, SQL

**Databases:** Oracle Database, MySQL, PostgreSQL, MongoDB

**Tools/Frameworks:** GraphQL, Spring Boot, Express, React, Redux, Docker, Git

## Experience

### Wish Full Stack Software Engineer - Wish Marketplace

Sep 2020 - Present

Python, Svelte, GraphQL, React, Redux, MongoDB

Toronto, Ontario

- Currently designing the architecture for Wish Marketplace, allowing merchants to host standalone ecommerce marketplaces
- Setup the application's GraphQL and MongoDB schemas for users, products, and transactions ensuring scalability for multiple marketplaces

### Wish Full Stack Software Engineer - Product Web

Jan 2020 - Apr. 2020

Python, React, Redux, MongoDB, Treasure Data

San Francisco, California

- Built the Wish Reviews page from scratch with Python and ReactJS, launched with significant SEO achieving **5k+** daily impressions and reaching the **#1** rank on Google
- Developed a storefront page for all wish local stores, showcasing their inventory products to users, reaching on average **10k+** daily visits

### American Express Software Engineer

May 2019 - Aug. 2019

Java, Spring, Vert.x, Apache Camel, ReactJS, AWS S3

Toronto, Ontario

- Implemented a system to periodically encrypt and store policy files in AWS S3, using Java, Spring and ReactJS, saving ProdOps **30 mins/week**
- Expanded American Express's cloud functionality by writing detokenization services with Vert.x verticles, enabling a high priority project with **20+** developers to begin

### Oracle Software Developer

Sep 2018 - Dec. 2018

Java, Spring Boot, Oracle Database, InfluxDB, ReactJS, Redux, GraphQL

Toronto, Ontario

- Created a service to automatically configure Oracle applications using Java, Spring Boot, and ReactJS, saving users **10 mins** on initial setup
- Developed a postMessage protocol in Javascript, enabling **100+** applications to use the Oracle Marketing Cloud in an iframe

### Ethoca Technologies Inc Software Developer

Jan 2018 - Apr. 2018

Java, Scala, JBoss, Spring, Apache Kafka, Chef, Jenkins

Toronto, Ontario

- Rewrote a JMS microservice with Java, Apache Kafka and Spring Boot to validate new credit card schemas for merchants
- Automated the deployment of a HashiCorp Vault server using Chef, Docker and Bash scripts, enabling **5** development teams to generate cipher keys

## Projects

### Sonera - Spotify Integration Project

- Developed a web application using **ReactJS** and **Node.js** to generate a playlist for users, based on their browsing history
- Utilized Spotify's API to sequentially get data about the user, retrieve their favourite artists and generate playlists

### Dean's List - IOS + Arduino Labyrinth Solver

- Developed an **IOS** and **Arduino** application to control a **6 degrees of freedom** platform and complete a ball maze
- Integrated an HM-10 Bluetooth chip with a **Swift** app to perform inverse kinematics and send servo motor angles to an Arduino
- Minimized latency between input motion and output orientation to **100ms**; won **first place** in a class of 150 students

## Education

### University Of Waterloo

Waterloo, Ontario

BASC, HONOURS MECHANICAL ENGINEERING

Graduating Dec. 2021

Option in Artificial Intelligence