

# KOJO OBENG-ARHIN

## SOFTWARE ENGINEER

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## Professional Experience

### NeuPath Health

Toronto, Ontario

#### Full Stack Software Developer

Jan 2022 - Sep 2022

- Architected the MVP of a responsive React application to facilitate additional communication between physicians and their patients
- Upgraded several RESTful APIs from .NET Core 2.0 to .NET 6.0, increasing API compatibility and reducing latency by 64%
- Led the migration of the production database and APIs from MSSQL / Azure to MySQL, handling all accompanying code changes
- Devised a series of UI improvements on neupath.com to decrease customer conversion time

### Adventure Rentals

Toronto, Ontario

#### Software Engineer

Apr 2021 - Dec 2021

- Implemented identity verification integration with Stripe API in Node.js to decrease insurable risk by over 90%
- Created an embedded legal waiver document creation UI as a main selling point to rental providers in React resulting in a 20% increase in host sign-ups
- Redesigned the chat system to filter prohibited communication and increase customer retention in Node.js
- Built a feature to enable hourly booking across time zones, carefully handling concurrency and overlapping interval issues

### The Cooperators

Waterloo, Ontario

#### Software Developer

Sep 2019 - Dec 2019

- Resolved bugs to improve user experience on an Angular application to improve fraudulent claim detection
- Established build scripts using Maven, Bash, and Groovy to package, compile, and deploy code in Jenkins, pioneering an automatic build pipeline
- Generated and maintained unit tests to ensure 100% code coverage

## Skills

**Front-end** React, Typescript, Javascript, HTML, CSS

**Back-end** Node, Python, SQL, C#

**Hobbies** Reading, Soccer, Poker, Football, Community Service for At-Risk Youth

## Projects

### kojospot

#### Full Stack Web App (React / Node.js / Typescript)

- Dynamic React app to play music and lyric videos on YouTube controlled by your Spotify app. Styled with Bootstrap using a Node back-end interfacing with Spotify and Google APIs. Formerly hosted on an AWS ECS instance; Currently at kojoarhin.com

## Education

### University of Waterloo

Waterloo, Ontario

#### Bachelor of Mathematics (BMath)

Sep 2015 - Aug 2020

Computer Science & Statistics

### Wilfrid Laurier University

Waterloo, Ontario

#### Bachelor of Business Administration (BBA)

Sep 2015 - Aug 2020

Finance