

KOJO OBENG-ARHIN

SOFTWARE ENGINEER

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Professional Experience

NeuPath Health

Toronto, Ontario

Intermediate Full Stack Software Engineer

Jan 2022 - Feb 2023

- Architected and developed the entire front-end of a responsive web app to facilitate easier communication between health advisors and their patients in React and Typescript
- Upgraded several RESTful APIs from .NET Core 2.0 to .NET 6.0, increasing code readability and compatibility, and server response speeds by over 64%
- Led the migration of production database and APIs from MSSQL/Azure to MySQL, handling all code changes involved with the process
- Devised a series of UI improvements on neupath.com to decrease customer conversion time and completely eradicate redundancy in patient records in Angular

Adventure Rentals

Toronto, Ontario

Software Engineer

Apr 2021 - Dec 2021

- Implemented identity verification integration with Stripe API 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
- Built a feature to enable hourly booking across time zones, carefully handling concurrency and overlapping interval issues

The Cooperators

Waterloo, Ontario

Software Developer Intern

Sep 2019 - Dec 2019

- Resolved bugs to improve user experience on an Angular web app 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% test coverage

Skills

General Programming	Node.js, Python, RESTful APIs, MySQL, SQL, Linux, Git, MongoDB, PostgreSQL, GraphQL, C#
Front-end	React, Typescript, Javascript, Redux, HTML, CSS
Hobbies	Reading, Soccer, Poker, Football, Community Service for At-Risk Youth

Projects

kojospot.com

Full Stack Web App

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

Education

University of Waterloo

Waterloo, Ontario

Bachelor of Mathematics (BMath)

Sep 2015 - Aug 2020

Major: Statistics | Minor: Computer Science

Wilfrid Laurier University

Waterloo, Ontario

Bachelor of Business Administration (BBA)

Sep 2015 - Aug 2020

Specialization: Finance