

# OGHENEFEJIRO ABOHWEYERE

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## Skills

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**Languages:** Java, Python, Golang, C++, JavaScript, Bash, HTML, CSS, TypeScript, Flutter

**Databases:** PostgreSQL, MongoDB, DynamoDB, Redis, MySQL

**Frameworks:** Spring Boot, Django, JUnit, Mockito, Tailwind CSS, NextJS

**Misc:** SQL, AWS, Docker, Node.js, React, CI/CD, Terraform

## Experience

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**Software Engineer**, 247 Labs Inc – Toronto, Ontario

April 2022 – Present

- Secured \$100K+ of [SR&ED government funding](#) by taking ownership of a [photography SaaS](#) that used AWS SQS, PostgreSQL and Java ExecutorService to distribute the work of bulk downloads, leading to a 15% increase in mean download speed
- Increased reliability and speed of backend systems by 10-20% using Python ThreadPoolExecutor to send 260 requests/s concurrently, helping to find and fix performance flaws
- Decreased scaling cost by 9% and maintenance cost by 20% through the migration of a Node.js Parse Server and MongoDB backend running on AWS EC2 to an AWS DynamoDB service
- Reduced build time by 10% - 30% and image size by 15% - 20% using Docker multi-stage builds for faster deployments
- Increased project interest by 18% through the creation of an AI chatbot using Python Flask, AWS Bedrock, and AWS EB

**Backend Engineer Intern**, Windfall Apps LLC – Remote

March 2021 – May 2021

- Collaborated within a team of 3 interns to develop a dating app for gym enthusiasts in a TDD approach using Flutter, Node.js and MongoDB leading to quick delivery of a high-quality MVP
- Built an ExpressJS backend with WebSockets and MongoDB to power the chat features of a dating app for 1000+ test users
- Optimized server response times by 78% through Redis caching

**Full Stack Software Engineer**, Upwork Inc – Remote

July 2019 – March 2022

- Designed admin control website using HTML, NextJS React and Tailwind CSS to let admin users perform operations like adding, verifying, removing, and sharing applications within an organization
- Implemented an application-sharing desktop app using C# .NET WPF, ExpressJS, PostgreSQL and Redis hosted on AWS EC2
- Designed a JavaScript productivity tool to automate the filling of 1000+ forms on a tour exploration website

## Education

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**Ontario Tech University** – Bachelor of Science in Computer Science

Graduated May 2023

GPA: 3.85

## Projects

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**3-way merge Golang API**

[Github](#)

- Engineered a Golang Gin framework REST API that automatically merges changes in 3 versions of a file into a single merged file using a 3-way merge algorithm written from scratch and hosted on AWS Elastic Beanstalk
- Increased project engagement by 10% through the provision of a NextJS React experimentation tool web app, for easily interacting with the merge API through a UI
- Developed a system for users to resolve conflicts, and download the resolved merge result

**AlgoLearn**

[Github](#)

- Implemented a Btree data structure using C++ as the backbone of a larger custom database project
- Significantly decreased the chances of memory leaks occurring by using RAII with C++ standard library smart pointers
- Increased learning speed and clarity of thought for myself and other developers by documenting every case for every Btree operation and state change using detailed diagrams

**TURN Server**

[Github](#)

- Built a TURN/STUN Server Docker container that takes configuration from environment variables as opposed to attaching a configuration file to each deployed instance, reducing the work needed to setup WebRTC networks
- Wrote a Linux shell script to generate a TURN/STUN configuration file from environment variables using gettext utilities
- Increased engagement with peers in the [Handmade Network](#) by 8% through demo and sharing of project details