

AYO OYEWOLE

SOFTWARE DEVELOPER

CONTACT

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OTHER



<https://github.com/wols13>



<https://ca.linkedin.com/in/ayowole>

EXPERTISE

C



Java



SQL



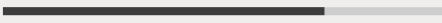
HTML5, CSS3, JavaScript



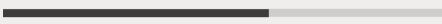
PHP



Ruby on Rails



Python with Django



EDUCATION

Sept 2011 - **Computer Science**

June 2017 Bachelor of Science (Dean's Honours List Recipient)
University of Toronto

Relevant Courses: Operating Systems, Artificial Intelligence, Data Structures & Analysis, Computer Networks, Web Programming, Databases Systems & Socket Programming

EXPERIENCE

Jun 2017 **Canada Protection Plan (Life Insurance)**

Current **Software Developer**

(4 Months)

- Continuous development of internal web apps which are used by insurance brokers throughout Canada, with Java, Google Web Toolkit (GWT), JavaScript and other server-side services
- Improved and maintained our operational environment which utilize Linux, Tomcat, MySQL, Maven, Ansible etc.
- Main point of contact in our efforts to migrate all our in-house systems to the cloud (Amazon AWS).

Aug 2015 **Bell Mobility Canada**

Aug 2016 **Network Realization Intern**

(13 Months)

- Automated mobile device test cases using Ruby, on a cloud-based platform built around Selenium and Appium
- Implemented new features for our in-house project management platform using: Java, Ruby, SQL, PHP, Eclipse, Git
- Identified and reported issues related to System Selection, WiFi, Bluetooth and emergency calls during product qualification
- Verified system acquisition processes for UMTS, LTE, and VoLTE enabled devices using network simulators and logs
- Trained new interns and full-time team members and got them to the point where there could start deploying code

May 2014 **IBM Canada**

Aug 2014 **Software Developer Intern**

(4 Months)

- IBM DB2 with BLU acceleration allows organizations to process terabytes of data extremely quickly, my job was to develop a demo that vividly proved this to prospective clients
- Individually built an e-commerce website from back-end to front-end using a PHP framework, JQuery and IBM's DB2 system, on which gigabytes of SQL queries were then executed
- Implemented a real-time chart using AJAX, that showed the spikes in query processing speeds when switching between IBM DB2 with BLU acceleration and traditional systems, up to 7400% real-time speed increases could be seen in the chart

EXPERTISE CONTINUED

Node.js



Angular JS




jQuery



Bash Scripting



Amazon AWS



INTERESTS

Computer Networks
Computer Systems
Artificial Intelligence
Internet Technologies
Cloud Computing
Databases

REFERENCES

Ayodeji was technical, hard-working, and a fast learner. He was always motivated, and was able to work independently and follow-through to get assignments done. His work was thorough, were key contributions to the project. With his skills and great working attitude, Ayo would be a great asset to any team.

- Polly Lau

Data Security Technical Specialist
IBM Canada

Ayodeji shows strong leadership qualities in the manner in which he carries out his duties. His role at Bell Mobility spans various areas including software development, device qualification and communicating with external vendors, all of which he showed great ability to coordinate and fulfil each task beyond my expectations.

- Gboyega Esan

Senior Manager, Technical Architecture
Bell Mobility Canada

- Sept 2014 **Scinet High Performance Computing Consortium**
Mar 2015 **Web Developer (Work-Study)**
(7 Months)
- Added features to the consortium's training portal which is used to administer courses in high performance computing
 - Spearheaded new features and individually built the back-end components in PHP and SQL and oversaw code deployment
 - Automated database and code deployment operations using Bash scripts, drastically reducing the code deployment time

CURRENT PROJECTS

Co-founder, Linguarium

Web based language learning platform

- Conducted extensive market research and determined that there's a strong potential for our platform that allows language students to connect to language teachers anywhere in the world through a virtual classroom
- Implemented complex features such as chat rooms, video conferencing, speech-to-text, text-to-speech, word translations etc.
- My co-founders and I created a business plan and pitched the product to investors here in Toronto. See our MVP at: linguarium.herokuapp.com

Founder, MyBookShelf

Academic portal and planning tool

- My vision for MyBookShelf is a web portal, where students can log in from anywhere, write auto-saved notes, view lecture slides and simultaneously play audio/video recordings of lectures
- Also, there would be a management tool that would use Machine Learning to determine the optimal time(s) for students to start working on different projects based on factors like due date, duration, difficulty etc.
- The code I have written so far for this project can be found on my GitHub profile: <https://github.com/wols13> and you can also have a go at the demo of the web application itself: <http://ayodeji.ca/bookshelf>

Freelance Web Development

Designed and developed websites for start-up clients

- Independently researched and developed the back-end and front-end components of all the features requested by each client
- Utilized a variety of libraries and frameworks like jQuery and Bootstrap to produce the cleanest designs, using very well-structured code
- See some of my work at: www.ayodeji.ca/portfolio

C-based IP Router with NAT capabilities

Implemented a router in C that handles ICMP, TCP & UDP forwarding

- Router supports MAC address discovery and commands like ping, traceroute, wget and so on between clients and servers
- Used Mininet on a VM to simulate various client-server network topologies
- Router accurately generates ICMP messages for various scenarios like host unreachable, port unreachable, TTL expired and so on
- Implemented NAT capabilities for the router and supported endpoint and host independent mappings for TCP/UDP and ICMP packets respectively
- The C source code can be found on my GitHub profile, under: [CSC458_a2](https://github.com/wols13/CSC458_a2)

VOLUNTEER & EXTRA-CURRICULAR

- Ambassador, Department of Computer Science
- Defensive midfielder, New College Men's Soccer
- Intermediate swimming, Athletic Center
- Volunteer, Habitat for Humanity & FoodShare Toronto