

Muntaqa Abdullah Mahmood

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EDUCATION

University of Toronto

Toronto, ON, CA

Bachelor of Science in Computer Science - Specializing in Software Engineering

Sept. 2020 - 2025

Key Courses: Engineering Large Software Systems, Web Development, Computer & Network Security, AI, Algorithms & Data Structures, Software Development & Design, Object Oriented Programming

WORK EXPERIENCE

Full Stack Developer | JS/TS, React, C#, .NET, Dojo, MySQL, Specflow Sept. 2023 – Apr. 2025
Dayforce | Full Time - Internship Toronto, ON, CA

- Developed several new features including but not limited to new **Dojo UI Components**, extending **React & legacy Dojo** webpages, creating **RESTful API endpoints**, writing **optimized stored procedures** and **MySQL database script updates**, **Unit Testing**, **triaging & fixing bugs**, increasing **team velocity by 17%**.
- Led automation testing, analyzed automation results and automated functionality testing of multiple features using **Specflow with Selenium WebDriver and C#**, enhancing overall system **Reliability and Testability**, reducing cross-team regression testing efforts by **15%**.
- Implemented **data masking and encryption techniques** to secure sensitive **Personally Identifiable Information (PII)**, ensuring compliance with data protection standards and enhancing application security.

Full Stack Developer | SQL, React, Next.js, AWS(Serverless,S3), Webflow

Oneness Education Foundation | Contract - Part Time

Toronto, ON, CA

- Spearheaded the development of a web application using **Next.js with React.js** for frontend and **AWS Serverless** for APIs, providing scalability and high availability and **minimizing operation cost by 30%**
- Efficiently designed & developed new web pages from scratch to support new features & business requirements.
- Worked independently to deploy new releases with **Vercel and GitHub Actions** to the customers.

Software Engineer | Java, Spring Boot, Microservices, PostgreSQL, AWS May 2022 – Sept. 2022
Amdocs Canada | Internship Toronto, ON, CA

- Engineered a **Webhook Adapter micro-service** using **Spring Boot** to enrich **HTTP requests** from Webhook to external systems, providing flexibility and **minimizing operation cost by 15%**
- Implemented new **Web API endpoints** to efficiently handle REST callbacks from external systems, rigorously validated them with **SwaggerAPI and Postman**, while monitoring several **databases for optimal performance**.
- Worked closely with **DevOps** to document the **deployment of micro-services** in the company's wiki to maintain consistency and ease for future employed engineers, **reducing effort by more than 25%**.
- Employed best coding practices and **Object Oriented Programming** techniques to work efficiently with two cross functional teams on different software development projects while abiding by **Agile methodologies**.

PROJECTS

TechPrepScheduler | React.js, Node.js, Express.js, MongoDB, Docker | Project Link Apr. 2023 – May 2023

- Spearheaded the development of a **MVC architected** full-stack web application that **hosts technical interviews for Software Engineers**, using **Node.js & Express** serving a REST API with **React** as the frontend
- **Containerized** our app with **Docker** and **self-deployed** on the cloud using **Digital Ocean's VM** and secured it by **enabling HTTPS with SSL** and authenticating users with **OAuth2.0**
- Utilized **MongoDB** to store **interview code** and code Flow chart created during interview sessions.
- Successfully integrated **React Flow** for flow chart, **SendGrid** for emails, and **Google APIs** to ensure smooth UX

eStoreFront - Online Shopping App | Java, Firebase, Android Studio, Git, XML | Project link

- Led and developed an android app in an **Agile Scrum environment within 2 weeks** using **Java** for back-end, **XML** and **Android Studio** for UI design/front-end, and **Firebase Realtime Database** to store and sync user data.
- Administered software system design sessions and improved overall quality of the app through transitioning into **Model-View-Presenter** architectural pattern to facilitate automated unit testing using **Mockito**.

TECHNICAL SKILLS

Languages: C#, Java, JavaScript, Typescript, Python, C/C++, MongoDB, SQL, HTML, CSS, Bash, Perl scripting

Frameworks: React, React Native, WordPress, Next.js, MS SQL Server, MS Office, Node.js, Postman, Veracode

Developer Tools: Git, Docker, Kubernetes, MS Windows, MS Excel, Visual Studio, React Dev Tools, IntelliJ, TFS

Cloud & Libraries: AWS (Lambda, Serverless, EC2), Azure, GCP, NuGet, pandas, NumPy, Automapper, Dapper

Open Source Contributions: Created a Steam API Toolkit for Langchain | [link to PR](#)