

Mohammad H. Shaikh

Computer Science Graduate

Recent Computer Science graduate. I have developed proficient programming and software skills, which have allowed me to be capable of delivering efficient solutions to any clients in any industry whilst staying ever inquisitive.

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📍 Toronto, Ontario

in @mohammadhuzafashaikh

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SKILLS

Technical

- Data Structures
- Algorithm Design
- Graph Algorithms
- Software Architecture
- Design Patterns
- Version Control/Git
- CI/CD
- Database Systems
- Microservices
- OOP
- Unit Testing
- Integration Testing

Soft Skills

- Communication
- Troubleshooting
- Resourcefulness
- Eye for detail
- Conflict Management

PROGRAMMING /TECH STACK

- C/C++
- Java
- Spring/SpringBoot
- Docker
- SQL
- HTML/CSS

EDUCATION

BSc. Computer Science

09/2019 – 08/2023

York University

Toronto, Ontario

PROJECTS

E-Commerce Platform for Apple Products

- Worked in a team of 3 and developed a comprehensive E-commerce platform (an online store tailored for Apple products).
- Leveraged Java (Spring Boot) for backend services, REST APIs for seamless communication, SQLite for database management and incorporated a modern UI/UX using HTML/CSS for the frontend.
- Employed Docker to encapsulate the application environment, facilitating hassle-free local hosting on Apache Tomcat for showcasing the projects functionality.
- I was tasked to create a real-time bidding system, utilizing web sockets and REST APIs to notify bidders dynamically and maintain live bid updates.

Intelligent CPU Scheduling Algorithm Selector

- A Java program that takes in information about processes to be scheduled on a CPU such as arrival time, burst time, time quantum and process priority.
- The program then uses this information to display the average waiting times of each scheduling algorithm (such as FCFS(FIFO), SJF and Round Robin etc.)
- I combined the use of hash maps and array lists where hash maps allow quick and efficient data access/manipulation and array lists provide a clean and linear data storage format, combined to result in a quick and organized data storage system.

EXPERIENCE

Java Programming Tutor

09/2021 - PRESENT

- Proficiently mentored 21 first-year college students and 14 high school students in their Java programming courses, leading to a remarkable average grade uplift of 12% and 10% respectively.
- Assisted with OOP/Algorithms/Data Structures/Design analysis/Run-time optimization.
- Provide valuable assistance to over 45 individuals through diverse freelance platforms, achieving exceptional outcomes and earning a reputation for exceptional client satisfaction.

Software Dev. Intern – Green Dunning Facilities Management.

11/2019 – 03/2020

- Developed and maintained the back end of their app, receiving guidance and mentorship from the software manager. Collaborated with a team of 4.
- Optimized backend processes resulting in a 35-45% reduction in server response time. Such overall improvements in backend functionality and user experience resulted in an, approximately, 20% increase in application traffic and user engagement.