Mahir Khandaker

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Skills

- JavaScript | TypeScript | Java | Python | SQL | React.js | Node.js | Express.js | HTML5 | CSS3
- AWS | Jenkins | Git | Postman | PostgreSQL | Docker | Android
- Full-Stack | Backend | Frontend | Database Management | Unit Testing | CI/CD

Professional Experience

Associate Software Engineer | Sun Life Financial | Toronto, ON, Canada | January 2024 – Present

- Contributed to the development of a centralized login system using React, Node.js, Okta, PostgreSQL, and Docker, enabling seamless single sign-on across internal platforms. Designed the system to be vendor-agnostic, decoupling identity logic from Okta and allowing flexibility with future providers, a move projected to save over $2M in licensing costs. Collaborated with security and infrastructure teams to ensure compliance and scalability.
- Developed and shipped a modular, fully configurable chatbot UI widget using React, deployed as NPM, UMD, and standalone builds to support various integration needs. Added support for drag-and-drop positioning, resizable containers, and dynamic theming, enabling teams across Sun Life to plug it into different web applications with minimal setup. Worked closely with design and QA teams to ensure accessibility and performance standards were met.
- Stepped up to temporarily cover a senior developer's responsibilities, demonstrating leadership across multiple codebases and initiatives. Provided guidance and onboarding support to new developers, helping them ramp up quickly and contribute effectively to ongoing projects.
- Won 1st place in Sun Life's internal AWS Cloud Hackathon by embedding Amazon Q within Confluence, enabling employees to ask natural language questions against team-specific documentation. Implemented Retrieval-Augmented Generation (RAG) to keep proprietary data within internal systems, enhancing usability while maintaining compliance with Sun Life's data governance and security policies.
- Demonstrated strong adherence to the AGILE methodology by actively participating in sprint planning, daily stand-ups, and backlog refinement. Collaborated with team members to promptly identify and resolve issues, ensuring efficient workflow, and timely achievement of sprint goals.
- Skills Utilized: React, JavaScript, Node.js, Express.js, Docker, PostgreSQL, Jest, Jenkins, Jira, Bitbucket, Git

Embedded Software Developer Co-op | Molex | Waterloo, ON, Canada | January 2022 – August 2022

- Enhanced the reliability and performance of a multi-threaded legacy codebase by refactoring it into 2 single concurrent processes in **C**, limiting the possibilities of race conditions and resulting in a 10% decrease in runtime.
- Designed and executed a comprehensive suite of unit and integration tests, covering various scenarios including edge cases and boundary conditions, to verify internal functionality, proper parameter usage, and accurate data handling.
- Skills Utilized: C, Python, Cantata, Jenkins, QNX, Jira, Bitbucket, Git

Software Developer Co-op | TD Bank | Toronto, ON, Canada | September 2021 – December 2021

- Leveraged C#, MS SQL, and the SQL Server Integration Services (SSIS) platform to seamlessly perform ETL pipeline processes. Processed multiple datasets spanning across various departments, covering active, deprecated, and their corresponding replacement functions, including their definitions.
- Skills Utilized: C#, SQL, SSIS, RSA ARCHER, Jira, Bitbucket, Git

Full-Stack Developer | MAX Gala | Toronto, ON, Canada | June 2021 – August 2021

- Enhanced the functionality and performance of the web application by using pagination and lazy loading, resulting in 20% faster loading times and improved user experience.
- Skills Utilized: AWS (Amazon RDS, S3, Lambda, API Gateway), React.js, Node.js, JavaScript, Python, PostgreSQL, Postman, Docker, HTML, CSS, Bootstrap, GitHub, Git

Projects

React Portfolio Website | June 2025

- Created a responsive React.js website, prioritizing optimal user experiences across diverse devices and screen sizes.
- Utilized Git and GitHub for precise version control and hosted site on Netlify for widespread accessibility.
- Skills Utilized: React.js, TypeScript, Tailwind CSS, Git, GitHub

Education

Bachelor's in Electrical and Biomedical Engineering | McMaster University | Graduated April 2023

- Relevant Courses: Object-oriented programming in C, Data Structures & Algorithms in Java, Capstone Project