# Mohammed Amir

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## EDUCATION

### BASc Computer Engineering
Minor in Artificial Intelligence · University of Toronto · Toronto, ON · 2024 · 3.2 cGPA
- Coursework: Software Engineering, Computer Architecture, Operating Systems, Computer Networks, Algorithms and Data Structures, Software Communication and Design, Relational Databases, Intro to AI, Applied AI

## EXPERIENCE

### Junior Full Stack Developer
**MM Global Solutions Consulting**                                    **May 2025 – Present,  Remote**
- Developed and deployed microservice-based web applications using AngularJS, Java Spring Boot, MongoDB, MariaDB, and AWS, ensuring secure, scalable, and maintainable code.
- Designed and implemented inventory management dashboards and ATM fleet management features used by major banks across North America, supporting real-time monitoring of up to 5,000 ATMs with updates in under 3 seconds.
- Collaborated with PMs and QA in Agile/Scrum teams to deliver production-ready features, improve code quality, and enhance system performance through refactoring and upgrades (e.g., Angular 17 → 19).
- Recognized for the ability to quickly learn new tools, communicate technical concepts clearly, and adapt processes to solve problems efficiently and deliver business value.

### iOS Technical Support Advisor
**Transcom WorldWide**                                    **July 2024 – December 2024,  Toronto, ON**
- Diagnosed and resolved complex Apple device issues, achieving a 92% resolution rate through systematic troubleshooting.
- Collaborated with cross-functional teams to document and escalate problems, maintaining a 97% customer satisfaction rate.
- Streamlined support workflows by developing detailed documentation, mirroring agile best practices for process optimization.

### Junior Software Developer
**Human Endeavour**                                    **May 2022 – August 2023,  Vaughan, ON**
- Developed a full-stack app (Kotlin, Flask, Google Cloud APIs, MySQL) that enhanced accessibility for 400+ seniors and secured a $500K government contract.
- Implemented RESTful APIs with Flask and integrated MongoDB for an AI-powered indoor tracking system (Python, C++, Arduino) for real-time IoT sensor data management with 95% accuracy and 30% faster response times.
- Created interactive dashboards using Flask, Bootstrap, and JavaScript for dynamic data visualization.

## PROJECT

### Software Engineer
Unboxing Engineering · unboxingengineering-npsg.onrender.com/
- Developed a full-stack interactive web application using React, Vite,  PostgreSQL, JavaScript (Three.js), and Node.js, increasing user engagement by 50% through real-time animations and interactions.
- Designed backend services to manage dynamic educational content and application state, reducing API response times by 25%, ensuring smooth performance across 19+ interactive elements.
- Implemented CI/CD pipelines and automated testing with Git, reducing deployment failures by 30% and ensuring 99.8% application uptime.

### Frontend Developer & Project Manager
UofT Occasional Web Application · occasional.onrender.com/
- Built a dynamic calendar and dashboard using HTML, CSS, Bootstrap, JavaScript, Flask, and MongoDB, improving event scheduling by 50% and cutting navigation time by 35%.
- Integrated REST APIs for personalized dynamic content, improving site responsiveness and delivering on core features.
- Led a team of three frontend developers, coordinating Agile development and using Git and GitHub to reduce bug resolution time by 40%.

### Developer & Communications Manager
Atlas Meets Computer
- Created a large-scale GIS mapping system using C++ and the OpenStreetMaps API for real-time navigation across 12 major cities.
- Developed an interactive GTK-based UI for 25M+ mapped nodes, enhancing search and route-finding.
- Optimized pathfinding with Dijkstra's algorithm, reducing computation time by 40%, and integrated location-based filtering for enhanced accuracy.

## SKILLS

**Frontend**: React.js, AngularJS, JavaScript, TypeScript, HTML5, CSS3, Tailwind, Bootstrap

**Backend:** Python (Flask, FastAPI), Java (Springboot), Node.js, Express.js, PostgreSQL, MariaDB, MongoDB

**DevOps & Cloud**: Docker, AWS, Microsoft Azure, CI/CD (GitHub Actions)

**Development Tools**: Git, Postman, Visual Studio Code, Figma, Atlassian Suite (Jira, Bitbucket, Confluence)