

# MD MAHBUB E WADUZZAMAN

(647) 510-8871 | waduzzam@mcmaster.ca | [GitHub](#) | [LinkedIn](#) | [Portfolio](#)

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## HIGHLIGHTS OF QUALIFICATIONS

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- Passionate and detail-oriented Software Engineering (Co-op) student at McMaster University with a strong interest in cybersecurity, secure software development, and vulnerability management.
- Completed the Google Cybersecurity Professional Certification, gaining practical knowledge in network security, risk assessment, incident response, and threat analysis.
- Skilled in full-stack development and security testing, with hands-on experience in React, Node.js, MongoDB, REST APIs, and .NET frameworks.
- Experienced in test automation, debugging, and quality assurance, ensuring delivery of reliable and scalable applications.
- Strong communication, analytical, and teamwork skills, with a commitment to learning and applying new security tools and techniques.

## EDUCATION

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- Bachelor of Technology in Software Engineering | McMaster University | Sep 2025 – Present
- Diploma in Web Development and Internet Applications | Algonquin College | May 2023 – Dec 2024
- Advanced Diploma in Software Engineering Technology | Centennial College | Sep 2020 – Apr 2023
- MBA in Accounting & Information Systems | University of Dhaka, Bangladesh | Sep 2007 – June 2010

## PROFESSIONAL EXPERIENCE

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### ***Web Developer, Contract | Ak Marketings Int, Markham | Sep 2024 - Present***

- Developed responsive, cloud-ready web applications using React, TypeScript, Node.js, and Next.js, aligned with agile development practices.
- Integrated RESTful APIs and optimized database queries (SQL, MongoDB), improving app performance by 25%.
- Collaborated cross-functionally with clients and QA engineers to identify and resolve system defects.
- Enhanced front-end accessibility, SEO, and data security, improving performance and compliance metrics.

### ***Web Developer & QA Analyst, Intern | IT Profound Inc, Toronto | Aug 2023 – Nov 2023***

- Built and deployed .NET and React-based web applications, collaborating with developers and testers to deliver production-ready code.
- Implemented test automation scripts using Selenium and Jest, improving code coverage and reliability.
- Created REST APIs and microservices for internal tools; contributed to debugging and CI/CD pipeline deployment.
- Participated in code reviews and sprint planning, ensuring adherence to development standards and best practices.

### ***Web Developer, Part-time | Impact PR, Dhaka, Bangladesh, (Remote) | Nov 2020 – Jul 2023***

- Designed and maintained multiple client websites using HTML, CSS, JavaScript, Bootstrap, jQuery, and PHP.
- Reduced load times by 30% through optimized CSS/JS bundling and image compression.
- Applied testing and troubleshooting methodologies to maintain product quality and uptime.

## VOLUNTEERING EXPERIENCE

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### ***Web Developer, On-Call | Mohammad Care Home | Toronto, ON | Dec 2023- Present***

- Developed and maintained secure WordPress/PHP websites, improving accessibility and site reliability.
- Conducted penetration testing and implemented data security measures across all web services.

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## PROJECTS

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### ***News Website – A Bilingual MERN Stack Web Application | Aug-Sep 2025***

- Developed a bilingual platform with secure authentication, content moderation, and role-based access control.
- Integrated API security measures and HTTPS deployment via Vercel and Render.
- Integrated CI/CD pipelines and logging for efficient release management.

### ***Real Estate Management -A Real Estate Property management MERN Stack Application | 2024***

- Developed secure CRUD-based property management features and authentication using Firebase and JWT.
- Managed listings with admin dashboard and SQL-based data validation.

### ***Community Library- A Library Management MERN Stack Web Application | 2024***

- Built a system automating book management with admin access controls and secure API endpoints.
- Applied data validation and encryption for user privacy and system integrity.

### ***Tourism Management – A Tourism Management MERN Stack Web Application | 2024***

- Developed a travel recommendation system with personalized suggestions for users
- Integrated Google Maps API for real-time destination insights and enhanced user experience

## CERTIFICATIONS

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### **Google**

- *Foundations of User Experience (UX) Design* – Mar 2024
- *Cybersecurity Professional Certification* – Oct 2023

### **IBM**

- *Introduction to Cloud Computing* – Jun 2024
- *Introduction to HTML, CSS, & JavaScript*- Jul 2024
- *Getting Started with Git and GitHub*- Sep 2024
- *Developing Front-End Apps with React* – Sep -2024

### **Coursera**

- *Fundamentals of Java Programming* – Mar 2024

### **Meta**

- *Introduction to Back-End Development* – Jan 2024
- *Introduction to Front-End Development* – Jul 2023

### **LinkedIn Learning**

- *Programming Foundations: Software Testing/QA* – Aug 2023
- *Test Automation Foundations* – Aug 2023
- *JavaScript Essential Training* – Sep 2021
- *Oracle Database 12c: Basic SQL* – Sep 2021
- *IT Service Desk: Customer Service Fundamentals* – May 2021
- *Linux: Web Services* – Mar 2021
- *Learning Linux Command Line* – Mar 2021
- *Computer Science Principles: The Internet* – Mar 2021