

NOURELDEEN AHMED

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PROFESSIONAL SUMMARY

Software engineering graduate with 3+ years of experience building scalable, event-driven and user-focused applications. Skilled in software testing, cloud technology, and databases. Collaborative team member seeking to leverage my technical and leadership expertise at a fast-paced innovative opportunity.

EDUCATION

University of Guelph

September 2020 - April 2025 (Expected)

Bachelor of Computing, Software Engineering (Co-op),

- Minor: Project Management
- Relevant Courses: Software Reliability & Testing, Databases, Software Design V, Agile Project Management

TECHNICAL SKILLS

- **Languages:** JavaScript, C#, SQL, Typescript, Python, Java, GO
- **Frameworks and Libraries:** Angular 17, .NET 8, React, Jest, Vue, Node.js, Django, Java Spring, GraphQL.
- **Cloud:** Google Cloud, AWS, CI/CD, Docker, Kubernetes, GitHub Actions, Firebase

EXPERIENCE

LearningModeAI | *GO, Javascript, React, AWS, Docker*

Jan 2025 - Present

Founding Engineer

Toronto, ON

- Develop a scalable and performant microservice architecture with **AWS EC2 & Elasticache**.
- Translate **user needs** into **requirements** by enabling Microsoft Clarity **user analytics**.
- Collaborate with developers and co-founders to create Agile user stories and **provide estimates**.
- Mentor **6** junior developers in our tech stack, performing **code reviews** and shared learning sessions.

ecobee | *GO, Typescript, GCP*

Jan 2024 - Aug 2024

Software Engineer

Toronto, ON

- Enabled **1000s** of users to link their Yale smart door locks to our app using third-party webhooks in GO.
- Bolstered security and reduced staging costs by **20%** by configuring private networks on our **GCP infrastructure**.
- Reduced **on-call** complaints by **70%** by organizing team-wide release discussions and leading process improvements.
- Led **3** multi-faceted, high impact **GCP** upgrades, cooperating with my team to manage risk on tight deadlines.

Royal Bank of Canada | *Django REST, Vue.js, Jest, MySQL, Figma*

May 2023 - Aug 2023

Cyber Security Applications Developer

Toronto, ON

- Engaged with stakeholders to translate requirements into **10s of prioritized stories, releases and epics**.
- Developed **automated tests** for both frontend and backend services using **Jest** and Python's **unittest**.
- Managed sensitive cybersecurity data by creating performant **Django REST APIs** and **MySQL migrations**.
- Demonstrated my commitment to quality with a **complete ownership** of **5+** features, from design to **deployment**.

System1 | *Angular, C#, .NET, Snowflake*

Sept 2022 - Dec 2022

Full Stack Web Developer

Guelph, ON

- Grew our Advertising dashboard with **Angular 17** and **.NET 8**, enabling support for third-party vendors.
- Reduced backend response time by **30-40%** by optimizing redundant **SQL** queries.

PROJECTS

Plant Together | *React, ExpressJS, Postgres, Google Compute Engine, Yjs*

Sept 2024 - Present

- Created a collaborative PlantUML editor, used by **50+ colleagues** for their Software Design Courses.
- Enabled error-free, real-time collaboration using Yjs, eliminating the potential for merge conflicts.
- Persisted encrypted designs using Redis cache and a Postgres backup for long term storage.

Reddit to TikTok Re-Poster | *Python, Flask, Firebase, OpenCV, MoviePy*

Mar 2021 - May 2021

- Architected an ML powered automatic content creation pipeline using OpenCV, MoviePy and the Reddit API.
- Achieved **95% improvement** in goal-finding speed through **multithreading** and **binary search** algorithms.