

# NOURELDEEN AHMED

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## PROFESSIONAL SUMMARY

Software engineering graduate with 3+ years of experience building scalable web applications using **TypeScript**, **React**, and **Next.js**. Skilled in translating **Figma** designs into responsive UI components with **Tailwind CSS**. Experienced collaborating with cross-functional teams and familiar with **Python REST APIs**, **PostgreSQL**, and modern development workflows including **Git** and **CI/CD**.

## TECHNICAL SKILLS

- **Languages & Frameworks:** TypeScript, JavaScript, React, Next.js, Vue.js, Angular, Node.js, Express, .NET.
- **Cloud & DevOps:** AWS (EC2, ElastiCache), Google Cloud Platform (GCP), Kubernetes, Docker, GitHub Actions.
- **Tools:** Git, JIRA, Slack, Figma.

## EXPERIENCE

### LearningModeAI

Jan 2025 - Present

Founding Engineer

Remote

- Developed a custom **Webpack** configuration to build a hybrid **JavaScript/React Chrome extension**.
- Built high-performance AWS microservices with **Go**, **ElastiCache**, and **EC2** for an asynchronous learning platform.
- Mentored 6 junior developers on **TypeScript** and **React** through code reviews and pair programming.
- Introduced **Agile** and **Lean** best practices, improving feature delivery and system stability.

### ecobee

Jan 2024 - Aug 2024

Software Engineer

Toronto, ON

- Developed 3 new frontend screens for coupon code activation using **Next.js** with **Amplitude** for real-time analytics.
- Led a sprint as **SCRUM Lead**, introducing rituals that cut incomplete Jira epics by 40%.
- Collaborated across 8+ teams, ensuring timely delivery of complex features.
- Configured private networks on **GCP**, reducing staging costs by 20% and enhancing security.

### Royal Bank of Canada (RBC)

May 2023 - Aug 2023

Cyber Security Applications Developer

Toronto, ON

- Designed and implemented 8+ responsive frontend components with **Vue.js**, **Tailwind CSS**, and **Figma**.
- Optimized frontend performance and improved state management to increase user engagement and reduce load times.
- Created a **Mock API** with **Django** and **Faker** for robust end-to-end testing of complex data pipelines.

### System1

Sep 2022 - Dec 2022

Full Stack Web Developer

Guelph, ON

- Enhanced advertising dashboard frontend with **Angular**, implementing dynamic data visualizations.
- Collaborated on UI redesign to increase usability and accessibility across devices.
- Optimized **Snowflake SQL** queries, reducing API response times by 30-40%.
- Developed reusable, end-to-end file validation service to prevent cyber attacks.

## PASSION PROJECTS

### EZCV | Next.js, Vercel, Firebase, Google Cloud Run, OpenAI API, Python Flask, Docker, TypeScript January 2025 - Present

- Built a **Next.js** frontend on **Vercel** with **Firebase Auth & Firestore** for interactive resume assistance.
- Engineered a **Node.js/OpenAI** service on **Google Cloud Run** to auto-generate personalized documents from structured user data.
- Developed a **Node.js** document service using **Firebase Storage & Firestore** for easy CRUD of user documents.
- Standardized **Docker**-based **CI/CD** across the monorepo, ensuring reliable builds and deployments.

### Plant Together | React, ExpressJS, Yjs, Redis, PostgreSQL, WebAssembly

Sep 2024 - Mar 2025

- Built a real-time collaborative UML editor with **React**, **ExpressJS**, and **Yjs**, supporting 50+ users.
- Implemented client-side **PlantUML** rendering via **WebAssembly** for instant diagram updates.
- Integrated **Redis** caching and **PostgreSQL** backup for encrypted design storage.
- Led product ownership adding authentication, cursor highlighting, and private/public rooms.

## EDUCATION

### University of Guelph

September 2020 - April 2025

Bachelor of Computing, Software Engineering (Co-op)

Guelph, ON

- Minor in Project Management.
- GPA: 3.7/4.0.
- Relevant coursework: Software Reliability & Testing, Databases, Software Design, Data Structures.