Noureldeen Ahmed

Guelph, ON, Canada (N1L 0M6) 🏠
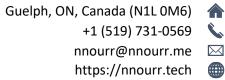+1 (519) 731-0569 📞
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Skills

Languages: JavaScript, TypeScript, Python, C, C#, Java, SQL, HTML, CSS.
Frameworks: React, Angular, Vue, Node.js, GraphQL, Django REST, .NET, Flask, Java Spring Boot, Swing.
Dev Tools: VSCode, Visual Studio, Jira, Slack, Miro, Docker, Azure, Firebase, GitHub Actions, Google Cloud, AWS.
Engineering Techniques: Agile, CI/CD, REST, Microservice Architecture, Domain Driven Development.
Values: Participative leadership, Empathy, Communication, Customer-first Approach.

Work Experience (More information here: nnourr.tech/work-experience)

ecobee \ Software Engineer Co-Op (January 2024 – August 2024)
 - Lead 3 multi-faceted Cloud upgrades, cooperating with my team to manage risk on tight deadlines.
 - Orchestrated team-wide release discussions and initiated process changes, improving production stability.
 - Created design documents and ADRs for new client-facing initiatives, implementing our designs in NEST.js.
 - Designed and implemented GraphQL mutations, working closely with our mobile team.

Royal Bank of Canada \ Cyber Security Applications Developer Co-Op (May 2023 – August 2023)
 - Architected RESTful API endpoints and Database Migrations using Django REST and MySQL.
 - Collaborated with PMs and POs to refine requirements into Jira Releases, Epics and Stories in a fast agile environment.
 - Lead entire feature pipelines, from design, to data ingestion, then API and front-end.

System1 \ Full Stack Web Developer Co-Op (September 2022 – December 2022)
 - Recognized for my fast learning on a large production project using cutting-edge Angular and .NET patterns.
 - Optimized SQL queries to cut down on response time by 30-40%.
 - Thrived in fast Agile teams, using Jira and Slack to ensure efficient remote communication.

Egyptian Banks Company \ Full Stack Web Developer Co-Op (May 2022 – August 2022)
 - Developed a model Automated Clearing House (ACH) system using Java and MSSQL.
 - Proficiently applied industry-standard programming practices and Test-Driven-Design to ensure code quality.
 - Transformed the ACH model design into a web-app using Spring Boot and Angular.

Personal Projects (More information here: nnourr.tech/personal-projects)

Music Circle: (May 2024 - June 2024)
Intention: Create a platform for sharing and discussing music taste using the Spotify API.
 - Built a lightweight, performant and scalable Express.js backend hosted on Google Cloud Run.
 - Designed and implemented a beautiful, accessible user experience written in React and designed in Figma.
 - Used OAuth to manage access and refresh tokens to authenticate users with the Spotify API.

Reddit to TikTok Re-Poster: (March 2021 – May 2021)
Intention: Automate the creation of viral content using public APIs, computer vision and web scraping.
 - Employed OpenCV, an open-source Python computer vision library, for video analysis and highlight extraction.
 - Implemented multithreading and a binary search algorithm to speed up goal finding by 95%.

Education:

BCOMP, Software Engineering (Co-op) \ University of Guelph (September 2020 – May 2025)
Minor: Project Management
Academic Project: COVID-19 Statistical Analysis (2021)
Intention: Analyze correlations between COVID-19 cases and other data using Seaborn, Matplotlib and Pandas.
 - Adopted the role of Agile Lead to ensure scrum tasks were completed and evolving requirements were met.
 - Developed a script using the Requests Library to automatically fetch and preprocess the most up to date statistics.

Extra-Curricular Activities:

RBC BattleSnake Finalist (July 2023) (More information here: play.battlesnake.com)
 - Collaborated with a team of 3 to construct a BattleSnake API, successfully reaching the finals across RBC students.
 - Implemented a MaxN MinMax algorithm to predict the movement of other snakes and find the best move.