Noureldeen Ahmed

43-1055 Gordon Street, Guelph, N1G4X9
+1 (519) 731-0569
nourelde@uoguelph.ca
https://github.com/nnourr
https://www.linkedin.com/in/nnourr
https://nnourr.me

Technical Skills

Languages: JavaScript, TypeScript, C, C#, Java, Python, SQL, HTML, CSS.
Frameworks: React, Angular, Vue, Django REST, Flask, JQuery, .NET, Node.js, Java Spring Boot, Swing, JWT.
Dev Tools: VSCode, Visual Studio, Jira, Slack, Docker, Firebase, GitHub, GitHub Actions, Google Cloud, Azure, AWS.
Engineering Skills: Agile, CI/CD, REST, CLEAN Architecture, TDD, DDD, Dependency Injection.
Soft Skills: Fast Learner, Ambitious, Committed, Detail-Oriented, Problem-Solver.

Education

(September 2020 – Present)

Bachelor of Computing, Software Engineering (Co-op) \ University of Guelph:

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 changing requirements were met.
 - Developed a script using the Requests Library to automatically fetch and preprocess the most up to date statistics.

Work Experience:

Royal Bank of Canada \ Cyber Security Applications Developer (May 2023 – August 2023)
 - Architected RESTful API endpoints, wrote Database Migrations, and configured CI/CD Pipelines using Django REST.
 - Collaborated with PMs and POs to refine requirements into Jira Releases, Epics and Stories in a fast agile environment.
 - Built entire features from the ground up, starting with Figma Design then Data Ingestion then API then Vue front-end.

System1 \ Full Stack Web Developer (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 (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 into a web-app using Spring Boot and Angular.

Personal Projects:

Reddit to TikTok Re-Poster: (March 2021 – May 2021)
Intention: Scrape videos with the Reddit API, edit using OpenCV and MoviePy and publish to TikTok.
 - Utilized OpenCV, an open-source, Python, computer vision library, to search for when a goal was scored.
 - Implemented multithreading and a binary search algorithm to speed up goal finding by 95%.

Explore NASA: An Image Feed using NASA's Image of The Day API (December 2021)
Intention: Create a React App displaying results from NASA's Image of the day.
 - Made use of aync-await functions to seamlessly request new images when needed.
 - Implemented the control props pattern to create more interactive and user-friendly functional components.

Extra-Curricular Activities:

RBC BattleSnake Finalist (July 2023)
 - 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.