

# Noureldeen Ahmed

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## 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 async-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.