Aun Raza

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Education

- **Centennial College of Applied Arts and Science**   **Toronto, ON**
  Advanced Diploma, Software Engineering Technology   *Sep. 2020 – Expected May. 2024*
  Relevant Courses: Software Systems, Data Structures and Algorithms, Computer Networks

Skills

- **Tools and Languages**:   AWS, Java, Python3, JavaScript (ES6), TypeScript, Git, Jenkins, Docker
- **Back-End**:   Spring Boot, Node, Express, GraphQL, MySQL, MongoDB, Junit, Jest,
- **Front-End**:   HTML5, CSS3, React, Redux, TailwindCSS

Projects

- **NextGenVault (Spring Boot/AWS/React/MySQL)**

  An innovative e-commerce platform specializing in advanced tech gadgets, including movable desks, futuristic devices, and robot dogs. Serves as a centralized hub for enthusiasts to discover and purchase high-end, niche tech gadgets not commonly found in the market.
  - Engineered a secure, scalable backend using Spring Boot, with MySQL for database management, deployed on AWS Elastic Beanstalk to ensure robustness and reliability.
  - Designed a user-friendly frontend with React, hosted as a public S3 object, featuring a cart system for browsing products and placing simulated orders.
  - Designed and implemented an admin interface to perform CRUD operations on products and orders, facilitating easy inventory management and product updates.

- **JS-Quiz (MongoDB/Express/React/Node)**

  An interactive quiz application designed to test and enhance users' JavaScript knowledge, featuring Multiple-Choice and True-False questions. JS-Quiz stands as a testament to the effective application of the MERN stack in creating engaging educational tools.
  - Developed a full-stack application leveraging MongoDB for its flexible data schema, enabling the storage of both True-False and Multiple-Choice questions within the same array field.
  - Employed the Jest Testing Framework to ensure code reliability, significantly reducing bugs and enhancing user experience through rigorous automated testing.

- **Pixel Habit Tracker (MongoDB/React/GraphQL/Node)**

  An alternative, gamified everyday habit tracking application utilizing the GraphQL stack. Enhances daily habit formation through an engaging, user-friendly interface and a rewarding points system.
  - Employed GraphQL for efficient data queries and mutations, enhancing app performance through strategic use of pagination to manage extensive daily interactions.
  - Integrated real-time data subscriptions with GraphQL, ensuring accurate and immediate feedback on user progress, adaptable to various global time zones.

Clubs & Communities

- **TorontoJS**

  Participated in weekly in-person and online events, a community for programmers, gaining insights into TDD, accessibility, GitHub Pilot, TypeScript, and ES6.

- **Ontario Agile Transformation**

  Attended bi-annual meetings focused on Agile methodologies, contributing questions, and learning about the practical integration of Agile practices in the workplace.

- **Maple Code**

  Engaged in bi-weekly online sessions on data structures and algorithm, enhancing problem-solving skills through group discussions and hands-on problem-solving exercises.