Rehan Nagoor

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Skills

Languages: TypeScript, Shell, Python, C/C++, Java, JavaScript, JQuery, PostgreSQL, SQL, Dart, HTML/CSS C#, HTTP, XML, R, Linux, Unix, Perl, VBA

Tools: CI/CD, AWS, Jest, React, Azure, Tailwind, NextJS, PHP, Git, Jira, GCP, Firebase, Supabase, Flutter

Education

University of Guelph Guelph, Ontario

Bachelor of Computing, Software Engineering and Physics **GPA: 4.0** Sep 2019 - Apr 2024

- Honored with a position on the Dean's Honours List for academic excellence
- Relevant Courses: Software Engineering, Software Design 5, Data Structures, Analysis and Design of Algorithms, Software Reliability and Testing, Computer Networks, Operating Systems, Object Oriented Programming (OOP)

Work Experience

GBADs (Global Burden of Animal Diseases) Guelph, Ontario

Backend Engineer Jun 2021 - Apr 2024

- Developed an RDS SQL database, adeptly creating and handling 60+ complex tables with over 1000 rows each using Python and R scripts for seamless data access and efficient query execution
- Streamlined workflow optimization by orchestrating the integration of a Slack bot with an AWS Lambda-powered dashboard, automating real-time authorization of dashboard comments
- Developed data report web applications and visually appealing dashboards using Python (numpy, pandas, matplotlib, dash) and Shell scripting (CI/CD), empowering data-driven decision-making through analysis of animal data from 2003 to 2020.

Yurmo Guelph, Ontario

Software Engineer May 2022 - Dec 2023

- Implemented and deployed a highly efficient relational schema and concurrent database design, optimizing data management and enabling seamless concurrent access
- Implemented Supabase SSO for seamless and secure user authentication, enhancing user experience and data security.
- Led the end-to-end agile software development life cycle, from ideation to app launch, by effectively managing and collaborating with cross-functional teams, aligning the product with market needs, and conducting testing.

Kenna Guelph, Ontario

Web Application Developer Oct 2021 - Dec 2021

- Implemented new features and enhanced full-stack website functionality using ReactJS, JavaScript, and NodeJS, effectively managing the back-end SQL server database to optimize user experience and website performance
- Collaborated cross-functionally in weekly sprints, leveraging the JIRA ticketing system to efficiently complete tasks and enhance functionality in 30+ page web apps based on client requests.

Projects

Advisorlink *TypeScript, React, Azure, Docker, Flask, PostgreSQL, Selenium* github.com/rehan-code/Advisorlink

- Implemented a robust CI/CD pipeline and created a Selenium test suite to ensure seamless deployment
- Led agile development of a full-stack web application for streamlining efficient course selection and scheduling
- Leveraged JSON files for robust information storage and handling

Game Library WebApp *HTML, CSS, PHP, CI/CD, MySQL, Docker* github.com/rehan-code/Game-Library-Web-App

- Developed Docker Compose configurations using YAML files and implemented a robust CI/CD pipeline with unit and frontend testing (Jest) to streamline and automate containerized environments, ensuring seamless and efficient deployment
- Led the development full-stack web application for a website that has a library of games that the users can play
- Leveraged JSON format to handle efficient client-server request and data handling

Rentr *Flutter, Figma, OpenAI* tinyurl.com/Rentr

- Led and managed a cross-functional team to create a Flutter app that facilitated seamless connections between renters and lenders in a marketplace, enabling users to advertise and find items available for renting or lending.
- Integrated artificial intelligence (AI) capabilities to deliver relevant search results from a vast catalogue of items, enhancing user experience and improving the accuracy of item recommendations.

Alphatoe AI *C* github.com/rehan-code/Alphatoe

- Developed a TicTacToe AI using the Monte Carlo tree search algorithm to determine and execute the best move out of 19,683 possible combinations in the game
- Created an interactive command-line interface (CLI) script for users to engage in gameplay against the AI, enhancing the overall user experience