Nazmus Saqeeb

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EXPERIENCE

Junior Software Developer
Red Thread Innovations — Sinapi Mobile
May 2022 – Dec. 2022
Toronto, ON

- Developed **15+** features and resolved **150+** bugs across multiple projects and microservices, improving overall functionality by **10%** and enhancing stability and performance by **90%**.
- Saved **30+** developer hours by creating and testing reusable React/React Native components with Storybook.
- Enhanced functionality by **20%** and achieved **95%+** Jest test coverage by developing REST APIs with Node, PostgreSQL, TypeORM, and Swagger.
- Enhanced an internal React UI library, expediting interactive component implementation for all projects by **40%**.
- Collaborated in agile scrum with a cross-functional team of **20+**, including designers and product owners.

Full-Stack Software Developer
City of Toronto & UofT — finddining.ca
May 2021 – Sep. 2021
Toronto, ON

- Delivered features such as filtered search and media upload to Google Buckets using Angular and Django reducing search time by **70%** and achieving **90%** upload success rate.
- Spearheaded enhancements to the agile production pipeline, resulting in a **15%** increase in productivity.
- Collaborated with City of Toronto stakeholders to gather and translate requirements into **5+** tangible features.

PROJECTS

Media Tracker — *.NET, Vue, Docker, MSSQL, Redis, GraphQL* — Aug 2023 – Present
- Implemented OAuth-based third-party sign-in and resource authorization within an auth microservice.
- Developed data consumer microservices to fetch and process data from different platform APIs.
- Built GraphQL servers to query and display aggregated data in a Vue-based frontend through an API gateway.

Algorithm Visualizer — *React, Express, Node, MongoDB, AWS* — Aug. 2023
- Designed and developed algorithm-visualizer.net, hosted on AWS generating **65k+** page views in the first month.

Taxi Service — *Java, Docker, PostgreSQL, MongoDB, Neo4j* — Aug. 2021
- Designed and developed the backend, including **3** microservices using different types of DBs and an API Gateway.

African Impact Challenge — *React, Express, Node, MongoDB, Agile* — May 2021 – Aug. 2021
- Led a team of **6** to design and build a Community and E-Learning website within **4** sprints.

Compiler for MiniC — *C++, llvm, ANTLR* — Jan. 2023 - May 2023
- Developed a compiler for MiniC, a subset of C, with **90%+** test coverage utilizing OOP principles.
- Optimized IR to improve program run-time performance by **67%**.

PintOS Operating System Enhancements — *C, Assembly, Docker* — Jan. 2022 – May 2022
- Implemented kernel threads, user programs, virtual memory, and file systems enhancements.
- Optimized the round-robin scheduler to priority donation, then to a multilevel feedback queue scheduler.

Robot Soccer — *C, Robotics, Signal Processing, A.I., Computer Vision* — Nov. 2021
- Utilized a Lego NXT Robot, its C APIs, and Computer Vision to create a soccer playing A.I. robot.

EDUCATION

University of Toronto
Toronto, ON
Honours Bachelor of Science, Computer Science, Software Engineering Specialist — cGPA: 3.4/4.
2019 – 2023

OPEN SOURCE CONTRIBUTIONS

scikit-learn
Apr. 2023
- Implemented **2** architecture change issues from SLEP006: Metadata Routing, as a demo with **100%** test coverage.

TECHNICAL SKILLS

Languages: JavaScript/TypeScript, Python, C/C++, C#, Java, SQL, GraphQL, Bash, Haskell, HTML, CSS, Matlab
Frameworks/Libraries: React, React Native, Node, Express, Vue, .NET, Jest, Storybook, Swagger, TypeORM, Django, Angular, Gatsby, scikit-learn, NumPy, Pandas, matplotlib, JUnit, Material-UI
Developer Tools: Git, Docker, AWS, JIRA, GCP, GDB, SVN, Android Studio, XCode, Valgrind, Eclipse