Abdullah Shahid

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EDUCATION

University of Toronto   Toronto, ON
Honours in Bachelors of Science (H.Bsc.), Computer Science   *09/2020 – 05/2025*

- Cumulative GPA of 3.86 / 4.0
- **Relevant Courses:** Software Design, Systems Programming, Web Programming, Databases, Spatial Data Science, Software Engineering, Data Structures and Algorithms

EXPERIENCE

Software Engineering Intern   05/2023 - Present
Xero   *Toronto, ON*

- Delivered critical front-end features using React during key phase of tech stack modernization, achieving daily engagement from 1 million users by implementing scalable and user-focused components.
- Enhanced user and developer experience by building a React component for bill amount summaries, now utilized by over five teams and impacting the majority of customers, by leveraging Storybook and Redux.
- Championed a feature to filter bills by implementing and scoping functionality across the full stack, resulting in daily usage by 50,000 accountants.
- Key developer for the duplicate detection feature at Xero, working through and building multiple microservices, DynamoDB, and notification systems to ensure seamless integration and functionality.

Solution Architect Intern   05/2022 - 12/2022
UofT Hatchery   *Toronto, ON*

- Designed a technology stack for a mobile application handling sensitive data, enhancing software development efficiency by 30% and ensuring robust data security.
- Engineered a HIPAA-compliant cloud architecture on AWS, optimizing for cost-efficiency and scalability, resulting in reduced infrastructure costs by 20%.
- Developed a RESTful API using Python Flask, facilitating seamless data exchange between the mobile application and cloud database, resulting in a 25% increase in data processing speed.

PROJECTS

Semtrack | *React, Typescript, Vite, Redux toolkit, TailwindCSS*   06/2023 - 08/2023

- Built a modern web application using React, enabling users to persistently track their grades with data stored directly in the browser's local storage
- Engineered centralized state management using Redux Toolkit, optimizing data flow and developer experience.

PCRS | *Python, Django, Javascript, HTTP, CORS*   05/2022 - 08/2022

- Enhanced the University of Toronto's interactive programming exercises web application, PCRS, under the supervision of two computer science professors
- Implemented a SHIM API on a monolithic Django backend and crafted a React client, resulting in seamless SPA integration and anonymous student submissions and grading support.

Liftr | *Java, Android Studio, Firebase, Git, UML*   09/2021 – 12/2021

- Developed a native Android app in Java for fitness routine tracking, implementing SOLID principles for an extensible, low-dependency software architecture.
- Seamlessly integrated Firebase for user authentication and data storage, enhancing app functionality and user experience.

TECHNICAL SKILLS

Languages: Java, Python, C, C#, SQL, JavaScript, HTML, CSS, R
Frameworks and Libraries: React, Flask, Jest, WordPress, React Native, Django, .NET Core
Developer Tools: Git, Amazon Web Services (AWS), VS Code, PyCharm, IntelliJ, Prettier