SAUBAAN HASAN

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TECHNICAL SKILLS

Programming Languages: C#, C++, Python, Java, JavaScript, HTML/CSS, Swift, Kotlin, PowerShell.
Frameworks: .NET, Node.js, React, React Native, Android SDK, SwiftUI.
Environments: Visual Studio, GitHub, Eclipse, VS Code, Xcode, Android Studio.
Methodologies: Object-Oriented Programming, Data Structures and Algorithms, Rapid Prototyping, Agile, Scrum.

EXPERIENCE

Software Developer — Sept 2024 – Present
PinkByte — *Vaughan, ON*

- Developed Cluo, a Remote Desktop Protocol (RDP) application for iOS, macOS, and Android, integrating MySQL for user management and authentication, enhancing secure and seamless remote access across platforms.
- Automated server allocation by implementing a Python script with algorithmic logic and MySQL integration, dynamically managing server activity to optimize resource usage and reduce operational costs by up to 30%.

Information Technology and Systems Specialist — Jan 2024 – Apr 2024
Futaba Industries — *Stratford, ON*

- Reduced laptop setup time by 89% by developing a Windows PowerShell script that automates the process via Active Directory group policies, significantly enhancing IT efficiency and minimizing manual intervention.
- Worked alongside developers to optimize 9 applications on user devices, ensuring smooth deployment through our management agent and enhancing user productivity across the organization.
- Achieved seamless device management for upwards of 850 devices by configuring an MDM software agent using EndPoint Central, creating an integrated system that reduced manual processing errors.

iOS Developer — Jun 2022 – Aug 2022
Apple Inc x OWH — *Toronto, ON*

- Accomplished a 93% user approval rating, significantly outperforming existing school apps, by brainstorming creative application concepts and translating design plans into a complete iOS framework.
- Boosted development efficiency by 67% by leveraging rapid prototyping skills, utilizing design sprinting, and effectively delegating project components.
- Gained substantial experience with Miro, XCode, and Keynote, incorporating them into development workflows to streamline brainstorming, design, and presentation processes.

PROJECTS

HomieHub | *HTML, CSS, JavaScript, Swift, Agora SDK, Google Firebase*

- Developed a matchmaking video chat application that pairs users based on personality traits, providing an engaging experience with real-time video chat and icebreaker prompts.
- Integrated Firebase for user authentication and data storage, enabling secure email/password login.
- Leveraged Agora's video chat API to create real-time video chat rooms with randomly generated icebreaker prompts for enhanced user interaction.

LibraScan | *C#, .NET, Windows Forums, OAuth*

- Developed an intuitive object-orientated book lookup application to manage and track book information, including BookID, ISBN, Title, Author, and the number of book readers.
- Implemented user authentication and management features, enabling secure login and personalized user experiences.
- Created an intuitive Windows Forms interface for brevity and enhancing user experience.

EduPal | *Swift, XCode, Miro, Keynote*

- Developed a Swift-based iOS app that revolutionized school apps by translating creative design concepts into a complete iOS framework.
- Delivered a user-friendly and comprehensive educational tool that effectively addressed student needs.
- Boosted development efficiency through rapid prototyping, design sprinting, and effective delegation of project components.

EDUCATION

University of Waterloo — Waterloo, ON
Bachelor of Applied Science. Computer Engineering — *Sept 2023 – Dec 2027*