

# SHAMIM SHIHAB

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## TECHNICAL SKILLS

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**Languages:** JavaScript, Typescript, Python, Dart, SQL, HTML, CSS

**Frameworks & Libraries:** React, Redux, React Native, Flutter, Node.js, Express.js, Micro Frontend, Electron, Material-UI, Bootstrap, Tailwind, WebSocket, Socket.io, Video.js

**Database & Other:** PostgreSQL, MySQL, MongoDB, Git, Github, REST APIs, AWS, Jest, Postman, Jira

**Cloud:** AWS Cloud Practitioner Certified (2023), EC2, S3, EFS, Lambda, RDS, CloudWatch, CloudFront

## WORK EXPERIENCE

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### Software Developer

Jan. 2023 – Present

*Shinobi Systems*

*BC, Canada*

- Developed a network video recorder web application utilizing Shinobi's REST API, focusing on seamless CCTV video surveillance and management
- Implemented a real-time information dashboard and alert system using socket.io, enhancing efficiency and responsiveness for individualized alert schedules and notification preferences
- Refactored recorded video searching functionality to enable seamless listing, sorting, watching, archiving, deleting, and downloading based on searched time frames, significantly improving user experience.
- Built an intuitive mouse slider for navigating individual monitor states at specified times, presenting results in a visually captivating format with recorded videos, timeline events, and associated snapshots.
- Implemented integrated customizable settings for live monitor streaming, allowing users to tailor language preferences, audio settings, and configurations.
- Developed reusable, component-based user interface for exceptional performance across platforms with cross-browser compatibility, optimizing speed and scalability. Released a desktop version of the app using Electron for alpha testing, ensuring client accessibility and feedback integration
- Developed a cross-platform live stream monitoring desktop app using Flutter, featuring customizable dashboards and drag-and-drop functionality for Windows, Linux, and macOS. Prioritized user requests for enhanced experience and broad platform compatibility.
- Collaborated closely with backend team to ensure secure integrations meeting usability and performance benchmarks within an Agile environment, planning sprints and adhering to Scrum guidelines.
- Technologies Used:** JavaScript, Typescript, React, Flutter, Dart, Redux, Context Api, HTML, CSS, Material-UI, Electron, WebSocket, Socket.io, REST API, Video.js, Git

### Mobile App Developer (Co-op)

May 2022 – Oct. 2022

*Inspire: STEM for Social Impact*

*BC, Canada*

- Developed and designed a cross-platform mobile app with an accessibility-focused user interface for the Victoria Brain Injury Society, contributing to all phases of the Software Development Life Cycle (SDLC).
- Designed and refined high-fidelity mock-ups and prototypes, integrating user feedback into a user-centric design to ensure accessibility for adults with brain injuries.
- Documented research findings, providing essential insights for refining and optimizing app development workflows.
- Conducted testing, ensured optimal app performance and responsiveness and participated in code reviews to maintain high-quality products.
- Presented project achievements and details at the Inspire conference, resulting in securing additional funding for project extension.
- Collaborated with cross-functional teams in an Agile environment, organizing discussions to design, strategize, and implement the product effectively.
- Technologies Used:** JavaScript, React Native, Redux, Firebase, Git, and Jira.

### Junior Web Developer

Jan. 2020 – Aug. 2020

*Niaz and Associates Limited*

*Bangladesh*

- Designed and structured web pages for enhanced user experience, employing JavaScript, HTML/CSS, and Bootstrap, while also sourcing and organizing information to create engaging website content.

## EDUCATION

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### University of Victoria

BC, Canada

*Master's in Electrical and Computer Engineering (GPA: 8.6/9.00)*

*Sep. 2020 – Dec. 2022*

### American International University - Bangladesh (AIUB)

Dhaka, Bangladesh

*Bachelor's in Electrical and Electronics Engineering (GPA: 3.86/4.00)*

*2019*