

Meharvaan Singh

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EDUCATION

Sheridan College Institute of Technology and Advanced Learning
Advance Diploma in Software Development and Networking Engineering
Program GPA: 3.78

Aug 2021 – Dec 2024
Oakville, ON

EXPERIENCE

Full Stack Developer
Digital Transformation Branch, Health Canada

Aug 2023 – Current
Ottawa, ON

- Contributed over 20,000 lines of code in Blazor, .NET Core, JavaScript, and SQL for critical projects, ensuring on-time delivery under tight deadlines in an Agile environment
- Developed and optimized complex SQL scripts using Microsoft SQL Server, improving query performance by 20%
- Collaborated closely with testing and accessibility teams, achieving a 98% bug resolution rate and maintaining a post-deployment bug occurrence rate of less than 2%
- Conducted rigorous testing, debugging, and proactive code reviews, reducing post-launch issues by 15%

Software QA Engineer
Evertz Microsystems

Dec 2022 – Apr 2023
Burlington, ON

- Developed and executed automated testing scripts using Python and Bash, leveraging Selenium and libraries such as PySNMP, Telnet, and Requests, reducing manual testing time by 40% and increased test coverage by 30%
- Developed console applications, streamlining, and optimizing daily tasks for customers, thereby enhancing overall operational efficiency
- Worked with different transcoders, routers and network protocols like SNMP, TCP/IP, HTTP, DNS and DHCP

PROJECTS

Flash OTP | *JavaScript, GCP, Gmail API, OAuth 2.0, Git, HTML5/CSS3*

Jan 2024 – Mar 2024

- Developed a Chrome extension that securely retrieves OTP codes from Gmail with a single click, streamlining login processes across platforms such as social media, banking, government services, and so on
- Integrated Gmail API and OAuth 2.0 using GCP to authenticate users and parse emails for time-sensitive OTP codes
- Ensured strong privacy and seamless experience with a clean UI and real-time OTP detection, reducing login friction

Lifeline | *Express JS, React JS, Open AI, RESTful API, Firebase, Git, HTML5/CSS3*

Jan 2024 – Nov 2024

- Collaborated with a team of developers to build a productivity web app using React.js and Express.js, which earned 1st place at Sheridan's Capstone Showcase 2024 for its innovative AI integration and exceptional execution
- Contributed to develop a REST API with Express.js to handle routing, middleware and Firebase Realtime Database
- Integrated Firebase Authentication for secure, federated user login, managing access control with JSON Web Tokens
- Designed and deployed an AI-driven feature set, including NLP-based data extraction and real-time calendar updates

Live Play | *JavaScript, RESTful API, Git, HTML5/CSS3*

Jan 2024 – Mar 2024

- Developed a Chrome extension Integrating RESTful APIs to retrieve and display real-time cricket match data and news
- Implemented comprehensive features, including a dark mode toggle with persistent user settings, dynamic league-based match filtering, and live news feed rendering via API integration
- Successfully deployed extension to the Chrome Web Store, achieving a 5-star rating for its performance

CERTIFICATIONS

Python Essentials by Cisco
Cyber Threat Management by Cisco

Credentials: <https://www.credly.com/badges>
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TECHNICAL SKILLS

Languages: C#, JavaScript, Java, Python, SQL, Kotlin, HTML5/CSS3
Frameworks: ASP.NET Core, Blazor, Express JS, Node JS, Swift UI, Spring Boot
Tools and Technologies: Linux Ubuntu, GCP, MySQL, Microsoft SQL Server, MongoDB, AWS, Kafka, Selenium, React, Apache Hadoop, Jenkins, Postman, Firebase, GIT, JIRA, Azure DevOps, Figma, Adobe XD, VirtualBox