

# Jacob Ismael C. Domingo

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## EDUCATION

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### Dalhousie University

*Bachelor of Computer Science (CGPA:3.69/4.3)*

*Certificate in Communication Technologies and Cyber Security*

*Certificate in Web and Mobile Development*

Halifax, NS

Sep. 2020 – May 2025

## EXPERIENCE

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### Software Development Engineer

*ESO*

Sep. 2023 – Dec. 2023

*Dartmouth, NS*

- Developed analytical and software solutions tailored to meet product and customer requirements.
- Ensured product and customer compliance by overseeing the seamless integration of data across systems, maintaining integrity.
- Engaged in Agile design sessions and code reviews, following methodologies like Scrum for efficient development.
- Developed, debugged, and implemented code in XML, XSLT, Xspec, and SQL to address challenges presented on the company's cloud service ticket system.

### Software Development Co-op Student

*Babcock & Wilcox FPS Inc.*

Jan. 2023 – Apr. 2023

*Dartmouth, NS*

- Examined embedded system programming techniques.
- Designed and developed a C#, HTML, JavaScript, and ASP.NET Core Framework front-end database web application.
- Debugged the web application, ensuring accurate programming outputs and verifying proper data storage in the SQL database.
- Implemented data migration and transformation scripts between different database software using tools like Microsoft Access, Microsoft SSMS, and SSMA for Access.

### Code Sensei and Camp Instructor

*Code Ninjas*

Jan. 2022 – Dec. 2022

*Halifax, NS*

- Assisted children in coding games, debugging, and utilizing programming languages like JavaScript, Lua, C#, Unity, Scratch and CAD.
- Led day and week-long coding camps for children aged five to fourteen, fostering their technical, problem-solving, and critical-thinking skills.
- Demonstrated strong interpersonal and communication skills to address concerns with kids or team members in a friendly and professional manner.

## PROJECTS

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### What's Happening | *HTML, CSS, JavaScript, PHP*

Jan. 2024 – Apr. 2024

- Developed and implemented a lightweight Content Management System (CMS) website aimed at facilitating community engagement and event management.
- Established administrative features for managing event data, including the ability to upload event information, remove outdated events, and oversee user authentication processes.

### Sousveillance Mobile Application | *JavaScript, HTML, Figma*

Sep. 2022 – Dec. 2022

- Developed a data security app with a team to empower users with real-time data monitoring, improving their digital well-being.
- Utilized HTML, JavaScript, and Figma to create a user-friendly mock-up featuring a heatmap of data collection intensity and anonymous sign-up, ensuring simplicity and effectiveness through user feedback and sousveillance research.

## TECHNICAL SKILLS

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**Languages:** Java, Python, C/C#, SQL, JavaScript (AJAX), HTML/CSS, Lua, XML, XSLT, PHP

**Frameworks:** Unity, Astro, ASP.NET/ASP.NET Core, XSpec

**Developer Tools:** Git, MySQL, GitHub, Adobe Creative Cloud, VS Code, Visual Studio, PyCharm, IntelliJ, Final Cut Pro, Figma, Microsoft SSMS, Microsoft Office, Jira

**Libraries:** jQuery, ReactJS (Gatsby)