

Simul Bista

647-509-4502 | simulbista@gmail.com | [linkedin.com/in/simul-bista](https://www.linkedin.com/in/simul-bista) | github.com/simulbista | simulbista.com | medium.com/@simulbista

EXPERIENCE

Software Developer

NKM Dolls

Sep 2024 – May 2025

Toronto, Canada

- Designed, developed, and deployed an e-commerce platform for Natural Kids Movement, using TypeScript, Express.js, and React, **mentoring a team of 4 developers** while collaborating with the product owners and the UI/UX designers.
- Deployed the Typescript backend on an **AWS EC2 instance** using **ExpressJS**, implementing authentication using **AWS Cognito** and content storage on **AWS S3**, and setting up a robust automated **CI/CD** pipeline using **GitHub actions** improving DevOps efficiency.

Software Developer

Yuvoice and Calix

Apr 2024 – Apr 2025

Toronto, Canada

- Led the cross-functional team of 8 developers** at Yuvoice, a civic engagement platform, architecting the solution while collaborating closely with the business analysts, stakeholders and the UI/UX designers to align development with business goals.
- Deployed the Typescript backend on an **AWS EC2 instance** using **Fastify**, implementing authentication using **AWS Cognito** and content storage on **AWS S3**, and setting up a robust automated **CI/CD** pipeline using **GitHub actions** improving DevOps efficiency.
- Implemented **Spring Boot REST APIs** for Calix, optimizing **DTO patterns with MapStruct**, managing complex entity associations using JPA, and applying **TDD** with **JUnit/Mockito**; containerized the backend with Docker for streamlined deployment.

Professor

Humber Polytechnic & Seneca Polytechnic

Jan 2024 - Present

Toronto, Canada

- Guided over 500 students across multiple semesters in building real-world web applications, covering the full development lifecycle from design to deployment, with a focus on adaptive web design and modern development practices.
- Developed and delivered courses on enterprise application development, covering **Spring Boot**, REST API, **Microservices**, **SOLID principles**, TDD approach, Spring JPA, JDBC integration, Spring Security, HTML5, CSS, and JavaScript.

Team Lead and Full Stack Developer

Holland Bloorview Kids Rehab – Bloorview Research Institute

May 2023 - Aug 2023

Toronto, Canada

- Led a team of 3 developers to architect a service-oriented, responsive web application for patient progress tracking, achieving a **70% reduction in administrative workload** through automation and streamlined data submission and report generation.
- Implemented **MVC architecture and JWT authentication** using context API, storing JWT tokens in browser local storage, enabling clinician-specific patient record management and incorporating the record archive feature (MongoDB, ExpressJS, ReactJS, NodeJS, and JWT).

Project Coordinator - Innovation and IT

World Vision International

Oct 2018 - Jan 2022

Lalitpur, Nepal

- Led the design and scaling of **3 large-scale digital solutions**: a blockchain-based digital transaction platform, an interactive gamified mobile app, and an educational marketplace, collaborating with global teams to deliver high-impact services to **over 150,000 users**.

PROJECTS

AI Email Agent (Python, Google Gemini AI, Gmail API, Twilio, GitHub Actions, Pytest)

- Built an intelligent **Gmail Agent** using **Gemini AI** to classify emails, auto-sort them into labels, and send WhatsApp notifications via **Twilio**.
- Engineered a CI/CD pipeline with automated testing, pre-deployment validation, and production safety gates to ensure deployment reliability.

Client Booking Platform – Happy Balconies (HTML, CSS, Vanilla JS, Google Apps Script, Google Sheets, Google Maps API, Netlify)

- Designed and developed a responsive web application for a professional balcony cleaning service, allowing customers to explore services, calculate quotes, and book appointments.
- Built a lightweight backend with **Google Apps Script** for **booking automation**, email notifications, and data storage in Google Sheets; integrated **Google Maps Autocomplete API** and deployed via Netlify with CI/CD.

TECHNICAL SKILLS

Languages

JAVA, JavaScript, TypeScript, Python, C#, SQL, HTML, CSS

Libraries & Frameworks

Spring Boot, Spring REST, Spring JPA, Spring Security, NodeJS, ExpressJS, Fastify, .NET, ReactJS, AngularJS

Cloud Technologies

AWS (EC2, S3, Cognito, IAM), GitHub Actions, Docker

Additional

MongoDB, MySQL, Oracle PL/SQL, JUnit, Mockito, GIT, Swagger

EDUCATION

Graduate Certificate in IT Solutions, Humber College, Toronto, Canada (Dean's Honors)

Jan 2022 - Aug 2023

Bachelor of Computer Science, Tribhuvan University, Kathmandu, Nepal

Oct 2011 - Dec 2015