

# Breno Lopes Mafra

Full-Stack Software Developer

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## TECHNICAL SKILLS

<b>Languages:</b>	Java, JavaScript/TypeScript, Python
<b>Frontend:</b>	React, HTML5, CSS3, Tailwind, REST/JSON
<b>Backend:</b>	Spring Boot, Node.js/Express, PostgreSQL, MongoDB, RESTful APIs.
<b>Tools &amp; DevOps:</b>	Docker, Git/GitHub, AWS, CI/CD (GitHub Actions / GitLab CI), Postman.
<b>Methodologies:</b>	Agile/Scrum, Clean Architecture, SOLID principles.

## WORK EXPERIENCE

<b>Coding Tutor</b>   MobiHelp – <i>George Brown College</i>   Toronto, ON	Sep 2024 – Apr 2025
<ul style="list-style-type: none"><li>Provided personalized tutoring in Java, SQL, JavaScript, simplifying asynchronous programming and system architecture concepts.</li><li>Helped students improve grades by 15% through structured guidance and hands-on support, ensuring industry-standard software requirements and best practices.</li></ul>	

<b>Junior Software Developer</b>   CENIBRA – <i>Celulose Nipo Brasileira S.A.</i>   MG, Brazil	Jan 2023 – Apr 2024
<ul style="list-style-type: none"><li>Engineered internal web applications using React and TypeScript, focusing on high-performance interfaces and optimal user experience.</li><li>Implemented RESTful APIs with Node.js and Express, managing large-scale industrial data through PostgreSQL/MySQL optimization.</li><li>Streamlined deployment workflows by containerizing applications with Docker and implementing CI/CD pipelines via Azure DevOps.</li><li>Delivered code within an Agile/Scrum framework, contributing to code reviews and documentation.</li></ul>	

## EDUCATION

<b>Comp. Programming and Analysis, Adv. Diploma</b>   <i>George Brown College</i>   GPA: 3.6/4.0	2023 - 2026
<ul style="list-style-type: none"><li>Developed full-stack applications using React, TypeScript, Node.js, and Java/Spring Boot, implementing RESTful APIs and PostgreSQL with clean architecture principles.</li><li>Gained hands-on expertise in Docker, AWS, and CI/CD pipelines while strengthening foundations in Data Structures, Algorithms, Unit Testing, and Agile/Scrum.</li></ul>	

## PERSONAL PROJECTS

<b>Full-Stack Developer</b> (Personal Project) – <a href="#">Financial Analytics Dashboard</a>   Toronto, ON	Oct 2025 – Jan 2026
<ul style="list-style-type: none"><li>Built a personal finance tracker using React (Vite/TS) and Node.js/Express with KPIs, charts, and auth.</li><li>Designed a lightweight backend with SQLite, JWT, Zod, and automated guest data cleanup.</li><li>Deployed the frontend on Vercel and the API on Railway, with environment-based configuration.</li></ul>	
<b>Full-Stack Developer</b> (Academic Project) – <a href="#">Order Management System</a>   Toronto, ON	Sep 2025 – Dec 2025
<ul style="list-style-type: none"><li>Built a full-stack Java microservices platform with an API Gateway (JWT + Resilience4J) and aggregated Swagger UIs for end-to-end testing.</li><li>Implemented product, inventory, order, and notification services using MongoDB with Redis caching, PostgreSQL with Flyway, and Kafka (Avro) for event-driven messaging.</li><li>Containerized the entire stack with Docker Compose and validated service flows with Testcontainers.</li></ul>	

## CERTIFICATIONS AND AWARDS

<b>Dean's Honour List</b> , <i>George Brown College</i> , Toronto, ON	All program semesters
<b>CS50's Introduction to Computer Science</b> , <i>Harvard University</i>	Mar 2025