

João "Joe" Pontes

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EDUCATION

University of New Brunswick

Bachelor of Software Engineering, GPA: 3.90, Dean's List

Fredericton, NB

Sept. 2018 – May 2022

EXPERIENCE

Four Eyes Financial

Full-Stack Developer

Fredericton, NB

May 2022 – June 2025

- Engineered and deployed robust networked communication features across both front-end and back-end stacks by integrating with third-party REST APIs (SMS, DocuSign, Canada Post)
- Designed and implemented a centralized phone number validation service, deployed platform-wide, ensuring data accuracy and enabling reliable, security-critical SMS notifications
- Proactively investigated and resolved critical production system issues leveraging AWS CloudWatch and external API logs, ensuring system stability and continuity for enterprise applications
- Led knowledge-sharing initiatives, documented best practices using LLM-assisted tools, and conducted thorough code reviews to elevate team proficiency and code quality
- Conducted comprehensive SQL query & code reviews to optimize performance, maintain data integrity, and enforce security best practices for high-stakes financial data
- Independently designed and developed client onboarding screens, contributing directly to improved user engagement through strong front-end development

Deloitte Canada

Cloud Engineering Consultant

Fredericton, NB

May 2021 – Aug. 2021

- Automated the deployment and testing of AWS services (Lambda, EC2, CloudWatch) for enterprise clients, contributing to robust CI/CD pipelines
- Developed production-grade automated tests using Python scripts, ensuring high reliability and stability of deployed cloud solutions

IBM Security

QA/Automation Test Developer

Fredericton, NB

May 2019 – Dec. 2019

- Engineered automated UI and API tests using Groovy (Spock, Geb) and refactored legacy Selenium tests, significantly improving test stability and system maintainability
- Collaborated cross-functionally with development teams to design comprehensive test strategies and efficiently resolve defects, ensuring product quality

PROJECTS

Personal Portfolio Website | *React, SpringBoot, AWS, DigitalOcean*

2025 – Present

- Developed and deployed a full-stack personal portfolio website showcasing projects and professional experience using modern web technologies
- Built responsive React frontend with professional design and user experience, highlighting technical skills and project demonstrations
- Implemented SpringBoot backend with RESTful APIs and deployed using cloud infrastructure across AWS and DigitalOcean for optimal performance and reliability

Nota – Engineering Capstone Project | *MongoDB, Express.js, React, Node.js*

Sept. 2021 – Apr. 2022

- Led a team of 5 to build a MERN-stack social media web app, demonstrating end-to-end full-stack development, modular design, and agile development principles
- Involved user interface design, backend API development, and database integration with focus on user experience
- Utilized Docker and Kubernetes to orchestrate isolated environments for automated testing within the development pipeline
- Won IEEE NB Section Prize at the 2022 Engineering Design Symposium

TECHNICAL SKILLS

Languages: JavaScript, Python, Java, TypeScript, SQL, HTML/CSS

Frontend: React.js, HTML, CSS, Responsive Design

Backend: Node.js, Express, SpringBoot, Flask, REST APIs

Databases: PostgreSQL, MongoDB, DBeaver

Cloud & DevOps: AWS (Lambda, EC2, S3, CloudWatch), DigitalOcean, Docker, Kubernetes, CI/CD, Git, Agile

Testing: Jest, Automated Testing, Groovy (Spock, Geb), Selenium

Tools: VSCode, IntelliJ, Postman, Zoho (KanBan), LLM Tools (Claude, ChatGPT, Gemini)

Certifications: AWS Certified Developer (2022)

ADDITIONAL INFORMATION

Languages: English (Fluent), French (Conversational), Portuguese (Conversational)

Awards: IEEE NB Section Prize, Edwin Jacob Scholarship, UNB Dean's List

Work Eligibility: Eligible to work in Canada with no restrictions