

Leonardo Pinto Mascarenhas

Canada • +1 514-574-6032 • leom.ca • leopmasc@outlook.com | Languages: English, French, Portuguese, Spanish

Professional Summary

Full-stack software engineer with 20+ years of experience building enterprise web and desktop solutions. Deep expertise in Java/Spring Boot, TypeScript/React, Camunda, and cloud architectures (AWS & Azure), currently building desktop applications. Lead automation initiatives, build reusable frameworks and components, and mentor teams in Agile environments.

Core Skills

Programming: Java, JavaScript/TypeScript, Python, Bash, Pascal

Frameworks: Spring Boot, React, Camunda, Node.js

Cloud & DevOps: AWS, Azure, REST APIs, CI/CD, GitHub Actions

Databases: Oracle, PostgreSQL, MySQL, MongoDB, Firebird

Professional Experience

National Bank of Canada - Montreal, QC (Oct 2017 - Present • 8+ years)

Technical Lead - Hyperautomation, Wealth (Apr 2025 - Present)

- Lead hyperautomation for Wealth Management end to end: PySide6 (Qt) desktop apps built from scratch in Python, the Java/Python Azure Functions behind them, and Power Platform custom connectors.
Skills: Python, PySide6 (Qt), Java, Azure Functions, Microsoft Power Platform, Power Automate, Custom Connectors, REST APIs, CI/CD

Principal Full Stack Developer - Strategy & Software Engineering IT (May 2023 - Apr 2025)

- Contributed to an internal automation framework built on Camunda Community Edition, adding reusable components and governance standards while delivering microservices, front-end features, and CI/CD improvements supporting enterprise-wide initiatives.
Skills: Camunda CE, Camunda EE, Java, Spring Boot, TypeScript, BPMN, Microservices, CI/CD, GitHub Actions

Principal Full Stack Developer (Oct 2020 - May 2023)

- Led front-end development for the nationwide Assisted Version and contributed to Java/Camunda back-end workflows for the Account Creation digital onboarding platform; then delivered Spring Boot and Camunda solutions for financing workflows, creating reusable components and shared libraries.
Skills: Java, Spring Boot, Camunda, TypeScript, React, Angular, AWS, REST APIs, Microservices, CI/CD

Senior Full Stack Developer (Oct 2017 - Oct 2020)

- Joined on contract and was converted to permanent full-time after 10 months. Built responsive React UI features and user flows for the Personal Account Services web app, collaborating with UX, BA, and QA teams to ensure quality and accessibility; contributed to Spring Boot services and GraphQL/Redux-Saga integrations.
Skills: React, JavaScript/TypeScript, GraphQL, Redux-Saga, Java, Spring Boot, REST APIs

Vanier College - Montreal, QC (Aug 2022 - Present • 4+ years)

Professor (Part-time Contract, concurrent)

- Teach modern development practices, mentor students toward career readiness, and create hands-on materials while fostering an engaging, problem-solving environment.
Skills: Teaching, Mentoring, Curriculum

Objectif Lune - Montreal, QC (May 2016 - Oct 2017)

Software Developer

- Developed cross-platform web and desktop applications for the PlanetPress Suite, supported complex product integrations, and improved team practices through documentation and knowledge sharing.
Skills: Java, Eclipse RCP, Delphi, JavaScript, Node.js, Electron, Responsive Web Design

Dell - Porto Alegre, Brazil (Mar 2015 - Feb 2016)

Java Developer

- Participated in the implementation and maintenance of a client/server application - a Dell internal project providing Activity, Service Request and Dispatch information to customers via e-mail or SMS.
Skills: Java, Eclipse RCP, REST APIs, Responsive Web Design

Voiza - Pelotas, Brazil (Jul 2014 - Jan 2015)

Java Developer

- Built features for a delivery company's logistics system, including enhancements to the Claims Management module.
Skills: Java 7, JSF, Hibernate, Oracle DB

Gestum - Pelotas, Brazil (Jan 2011 - May 2013)

Analyst / Developer

- Maintained and enhanced Auctor, a Delphi-based LMS authoring tool; handled customer requests and QA issues; contributed to the desktop app and a Java-based activation service.
Skills: Delphi 2010, Responsive Web Design, REST APIs, JavaScript, jQuery

LEJU - Pelotas, Brazil (Oct 2008 - May 2015 • 6+ years)

Analyst / Developer - own software business (concurrent)

- Developed Delphi ERP, fleet, and property-management systems (CComércio, CCaminhões, Suricato) and delivered full-cycle solutions directly to customers.
Skills: Delphi 2010, Firebird

Spatium Informática - Pelotas, Brazil (Mar 2005 - Sep 2008 • 3+ years)

Analyst / Developer (and Desktop Developer Internship)

- Led a small team on automation projects, worked with customers to define requirements, and built Delphi/JavaScript components backed by Firebird/MySQL. Earlier internship: created SComércio, a Delphi automation system with customizable business modules.
Skills: Delphi, JavaScript, Firebird, MySQL

Education & Certifications

Graduate Certificate in College Teaching - Université de Sherbrooke, Canada (2023 - 2025)

Post-Graduate Certificate - Project Management - Senac University, Brazil (2010 - 2011)

Bachelor of Technology - System Analysis & Development - Senac University, Brazil (2007 - 2009)

Certifications & Training: Oracle Certified Associate - Java SE 7 (1Z0-803); Spring Boot; JavaScript Full Stack; Mobile Development; Camunda; AWS