Jose Villegas

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Professional Profile

Computer Science Technology student with hands-on expertise in full stack development and microservices architecture. Proven experience building cloud-native applications using Java, Spring Boot, React, and TypeScript, with CI/CD integration and Agile methodologies. Demonstrated skills in REST API design, Docker orchestration, and automated testing. Able to contribute effectively to software development teams in collaborative and iterative environments.

Technical Skills

Languages: Java, Python, TypeScript, JavaScript, SQL, Bash
Frameworks & Libraries: Spring Boot, React, Angular, Node.js, JUnit, Playwright, Mockito, WebFlux
Databases: PostgreSQL, MySQL, Neo4J
DevOps & Tools: Docker, Git, GitLab, Jenkins, Maven, Gradle, CI/CD, Linux
Methodologies: Agile/Scrum, TDD, continuous integration, version control

Academic Projects

Construction Management Platform – Full Stack Application   Nov. 2025 – Present

- Web-based construction project management application with Java/Spring Boot backend, React frontend, Docker deployment, and Auth0 authentication
- Development of RESTful APIs for project and team management: CRUD endpoints with validation, entity-DTO mapping, activity logging, and a document management system with soft delete and SQL migrations
- Refactoring of the Communication subdomain following DDD principles with HTML sanitization, rate limiting, CAPTCHA verification, and automated 403 validation tests (JUnit, Playwright)
- **Tools and Technologies:** Java, Spring Boot, JPA, React, TypeScript, PostgreSQL, Docker, Auth0, REST APIs, Git, JUnit, Playwright, Maven, Mockito

PetClinic Management System – Microservices Architecture   Sept. 2025 – Oct. 2025

- Distributed veterinary clinic management application based on microservices, with Docker orchestration and cloud-native deployment
- Development of REST APIs for inventory and product CRUD with backend validation, profit margin calculations, PDF report generation, and logic for transferring items between inventory types
- Increased test coverage to 92% through integration (MockWebServer, StepVerifier) and unit tests, with redesign of responsive Angular interfaces for mobile support
- **Tools and Technologies:** Java, Spring Boot, WebFlux, React, TypeScript, Angular, Docker, REST APIs, PostgreSQL, JUnit, Git, Maven, Jenkins, CI/CD, Linux

Professional Experience

Order Picker – Produits Des Champs   Saint-Hubert, QC
                                                       June 2024 – August 2024

- Preparation and palletizing of 10–15 deliveries/day (50–200+ products), load stability and zero incidents
- Coordination of route-based *staging* with drivers, reducing truck loading time by approximately 15%

HR Assistant – Renouveau La Fontaine   Longueuil, QC
                                                         June 2023 – August 2023

- Standardization and organization of 100+ HR files in SharePoint
- Implementation of versioning conventions, eliminating duplicates and obsolete files

Education

DEC	**Champlain College Saint-Lambert** Computer Science Technology	Sept. 2023 – May 2026
	Honour Roll (Fall 2024, Winter 2025, Winter 2026)	(expected)
DES	**Collège Charles-Lemoyne** Secondary School Diploma	Sept. 2018 – June 2023

Languages

French　|　English　|　Spanish