Juan Alberto López Cavallotti
Information Systems Engineer.

Personal Information

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Linkedin Profile: http://www.linkedin.com/in/juancavallotti/en/
GitHub: https://github.com/juancavallotti
Location: San Francisco Bay Area, CA, USA

Spoken Languages

Spanish: Native.
English: Bilingual, Written and Oral.
Portuguese: Bilingual, Written and Oral.
French: Intermediate to Advanced Written and Oral.

Summary

With over **23 years of professional** experience, covering over **17 years of software engineering, 10 of which are fully dedicated to integration architecture**, **2 years of production systems support**, and **4 years of leadership**. I'm a well-rounded professional with an end-to-end vision. I specialize in building software frameworks and improving business processes. My technical skill set varies from Information Security and Performance applications to Machine Learning and Data Science. Finally, I have a background in teaching positions, mentorship, and coaching, which has allowed me to help others grow in their performance and careers.

Key Skills

- Application Programming frameworks: NodeJS, J2EE, J2EE Web, Struts, Spring Framework, Mulesoft Runtime. HTML5 CSS3, Ajax, XML
- Machine Learning: Train and Deploy various models using PyTorch and ONNX. Familiar with the Transformer architecture. Deployed models like BERT, T5, and GPT
- MuleSoft: ESB, API Manager, Batch, Error Handling, Anypoint Exchange, Runtime Fabric, Cloudhub
- J2EE Containers: JBoss, Tomcat, Glassfish, Oracle, Websphere
- Database Systems: MongoDB, Firebase, Oracle 10g, PostgreSQL, MySQL
- API Design & Lifecycle Management: Anypoint API Manager, GCP API Manager, RAML, OpenAPI
- Containerization Technology: Docker, Docker Compose, K8s, Terraform
- Cloud Providers: GCP, AWS
- CI / CD: Github, Jenkins, Google Cloud CI, GitHub CI,
- Automated Testing: Jest, Junit, Munit
- Integration using major protocols: REST, SOAP, GRPC, GraphQL,

Professional History

Summersolt - Contracting Position
- **Full Stack Engineer / Manager:** 6/2023 - 3/2024
  - **Description:** I worked with the founding members. I was in charge of the implementation strategy, defining frameworks and long-term practices, and hiring and coordinating the initial development team. I handled communication with product management and led the implementation of their various products. I also served as a manager to other contractors.

WhippedUp Culinary Platform
- **Founder:** 4/2022 - Present
  - **Description:** Whipped Up is a machine-learning platform that assists people in cooking and shopping more sustainably to reduce food waste. Built the platform website in ReactJS and NextJS. Built the Android app using React Native.

- URL: **https://whippedup.app**

Salesforce: Aug 2012 - April 2022

- **Practice Director (MuleSoft)** - US West / CMT, from 12/2018 - 4/2022.
  - **Key Achievements**:
    - Created and led the team to build a practice governance framework to capture key metrics to improve our processes more intentionally. The framework got adopted by our global organization.
    - Performed process engineering on our hiring process and streamlined it to operate at scale. Reduced by half the time to hire and allowed me to screen close to 100 candidates during FY22.
    - Created architecture for provisioning development instances using our AWS account and oversaw the execution.
    - Led the effort to revamp the global onboarding process for FTEs and partners.
- **Senior Solutions Architect (MuleSoft)**, from 2/2015 - 12/2018
  - **Key Achievements:**
    - I served as an Architect in large-scale integration deployments across various industries and geographies with companies in various domains from financial to retail, media, high-tech, and Telcos.
    - I built our professional services practice in Latin America, I designed and hired the initial set of individuals in the team.
    - I built infrastructure to deploy integration runtimes on Pivotal Cloud Foundry. And several integration patterns and tools have been leveraged throughout our global organization. One key asset was the configuration service pattern that powered modular integration architectures.
    - I built extensions for the Mule Runtime, including building an entire Gradle code editor for Eclipse and a set of Gradle plugins to build and package Mule Applications. I also architected the database backend for MuleSoft clustering infrastructure and oversaw the implementation.
- **Customer Support Architect (MuleSoft)** 8/2012 to 2/2015:
  - **Key Achievements**:
    - I was named on several occasions the most productive support engineer, solving over 3000 cases in my first year, which is about four times what's expected from a support engineer today at current loads.
    - I built a search engine to unify documentation sources using Apache Solr and contributed an open-source Solr connector for Mule 3.

Rotterdam-CS: May 2011 - July 2012
- Senior Java Architect.
- Full-stack engineer, Liferay, Java, iOS, Android.
- Technology Trainer.

Belatrix Software Factory: Jan 2010 - April 2011
- Senior Java Developer.
- Technical Team Leader & Interviewer.
- Development Teacher.

Enviro-Control S.A.: Dec 2005 - Dec 2009.
- Information Systems Department Manager.
- Java Developer.
- IT Management.
- Technology Trainer.

Teaching Positions

- MuleSoft Certified Trainer - May 2013 - Dec 2018
- iOS 5 Development - IDITS, February 2012 - April 2012.
- Class: Transition from PHP to Java - Belatrix Software Factory, February 2011 - April 2011.
- Class: JUnit Automated Testing - Belatrix Software Factory, February 2011.
- Class: Initial Java Development - Belatrix Software Factory, October 2010 - December 2010.

Open Source Development & Work Samples

Anypoint Accelerators for Commerce and Marketing Cloud: I architected the initial version of the accelerators and mentored the architect that took over. https://blogs.mulesoft.com/digital-transformation/salesforce-integration/mulesoft-accelerators-for-salesforce/

Configuration as a Service Pattern: I built an API specification to support dynamic configuration for integration landscapes; with it, I also delivered an open-source implementation of the service and a Mulesoft-specific connector. https://github.com/mulesoft-labs/configuration-service https://github.com/juancavallotti/caas

Gradle Builds for MuleESB Applications: Plugin to build MuleESB applications using the Gradle build system, this allows easy continuous integration and continuous deployment, while providing an outstanding development experience.

Website: https://github.com/mulesoft-labs/mule-gradle-plugin

Anypoint Studio Addons: Set of eclipse plugins to ease development of integration applications when using Anypoint Studio; this includes environment configuration and visual support for Gradle builds.

Website: https://github.com/mulesoft/mule-tooling-incubator

CORS Enablement for MuleESB: Module for adding Cross-Origin Resource Sharing capabilities to MuleESB, currently adopted as a core component of MuleESB product.

Website: https://github.com/mulesoft/mule-module-cors

jDTO Binder: Java framework that streamlines implementing the DTO design pattern for building Java applications. Published under the Apache 2 License and publicly available on the central maven repository.

Website: https://github.com/jDTOBinder.

Freelance Activity

PHP Website Development: 1999 - 2007
Electronic device management applications: 2007 - 2011
Key Achievements:
- I designed communication binary protocols for custom-made devices. I also built information systems to process the data and visualize it. These were consumer-level and commercial applications.

Java Development and IT Consultant: 2007 - 2016.

Education

Business Management Certification Program 2020 - 2021

UC Berkeley Extension

Information Systems Engineer 2003 - 2010

University: Universidad Tecnológica Nacional - FRM, Mendoza, Argentina.

Technical High school: Ing. Pablo Nogués: 1996 - 2001
Degree: **Electrician.**

Courses and Certifications:
Digital Image Processing - FRM UTN - 2012.
Mulesoft Certified Trainer - 2013 and 2015
MuleSoft Associate Developer - 2014
Machine Learning - Coursera 2021
Deep Learning Specialization - Coursera 2022
Natural Language Processing - Coursera 2022
Introduction to Neurolinguistic Programming (NLP) - 2011
Application of ISO 17799 (Information Security) norm.