

# Jeremy Alejandro Villegas Rodríguez

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## Profile

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- Software Engineer with a strong background in Data Engineering, focused on designing scalable backend systems and data architectures for enterprise environments.
- Experience delivering end-to-end software and data solutions, from requirements analysis and system design to pipeline development, automation, validation, UAT, and production deployment.
- Proven ability to integrate SAP ecosystems with modern data and cloud technologies, building reliable pipelines, internal tools, and analytics platforms.
- Business-oriented engineering mindset, translating complex processes into robust, scalable, and maintainable technical solutions.
- Long-term interest in software architecture, generative AI, and emerging technologies, with a focus on building systems ready to evolve at scale.

## Education

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**Universidad Cenfotec**, Bachelor in Software Engineering – Costa Rica Jan 2022 – Dec 2025  
• Student with academic and athletic excellence and a 100% scholarship

**San Sebastián Professional Technical College**, Medium Technician in Cost Accounting Feb 2019 – Jan 2022  
– Costa Rica

## Experience

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**Data Engineer & Costing Owner**, Procter & Gamble (P&G) – San José, Costa Rica July 2024 – present  
Hybrid engineering role focused on designing scalable data systems for enterprise standard costing processes across European markets.

- Designed and implemented end-to-end data solutions including requirements analysis, system design, data modeling, pipeline development, automation, validation, UAT, deployment, and monitoring
- Built scalable pipelines and workflows using SQL, Python, Databricks, KNIME, Azure Data Factory, and Power BI
- Integrated SAP-based costing processes with analytics and automation layers to improve reliability and operational efficiency
- Collaborated in Agile environments using Git for version control and Jira for workflow management

**Pricing Owner**, Procter & Gamble (P&G) – San José, Costa Rica Sept 2022 – June 2024  
Led end-to-end pricing operations across North America and Latin America, bridging business rules with automation and data-driven workflows.

- Designed and automated pricing solutions using SAP, SQL, VBA, KNIME, and Power BI
- Led requirements gathering, solution design, automation development, and UAT for pricing processes
- Coordinated outsourcing execution and knowledge transfer to ensure scalability and consistency
- Developed technical and functional documentation to standardize workflows across regions

**Business & Costing Analyst**, Infotree Global Solutions (Talent Supply for P&G) – San José, Costa Rica Mar 2022 – Sept 2022

Supported enterprise costing and pricing operations through data analysis and financial modeling.

- Analyzed cost structures across production, distribution, and sales
- Supported decision-making through structured data analysis and reporting
- Improved data management practices and communication of financial insights

**Accounting Assistant (Internship)**, Grupo Electrotécnica – Costa Rica Oct 2021 – Dec 2021

- Assisted with billing, inventory audits, and financial documentation
- Supported cost tracking and financial reporting

## Extracurricular Activities

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- Robotics & Programming Mentor, The ClubHouse – CEDES Don Bosco (Sep 2025 – Dec 2025). Designed and facilitated hands-on robotics and programming learning experiences, integrating virtual reality workshops using Oculus devices to strengthen computational thinking and early STEM skills in young students.

## Skills

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**Programming Languages:** Java, Python, C#, JavaScript, TypeScript, SQL

**Backend & APIs:** Spring Boot, Node.js, .NET, REST APIs, Microservices

**Frontend:** Angular, React, HTML, CSS

**Data & Analytics:** SAP, Databricks, KNIME, Power BI, Apache Spark, PostgreSQL, MySQL, Oracle, MongoDB

**Cloud & DevOps:** Azure, Docker, CI/CD, GitHub Actions, Supabase, Linux

**Tools & Engineering:** Git, GitHub, Jira, Postman, VS Code, Android Studio, Figma

**Concepts & Architecture:** Software Architecture, Data Pipelines, Distributed Systems, Automation, System Design

**Languages:** Spanish (native), English (professional)