

Cristian David Valencia Guzmán

Industrial Management Professional || Backend Developer || Data Management

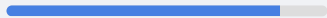
 christian.vg25@gmail.com  +57 321 739 8421  La Ceja, Antioquia

Profile

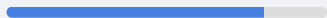
Backend Developer with solid foundations in Python, Flask and SQL database design. Experience in developing RESTful APIs and data visualization. My background in Industrial Management provides me with a unique perspective to create efficient software solutions and optimize processes. Skills in integrating technical solutions with business requirements to improve operational efficiency. I seek Backend Developer roles where I can apply my technical expertise in Python, API development and database management.

Technical Skills

Python



Flask/Dash



SQL/Databases



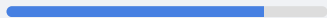
REST API Development



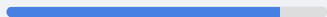
SQLAlchemy ORM



Git/GitHub



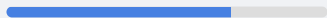
Data Visualization



Power BI



API Integration



Development Methodologies

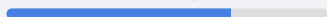
Agile/Scrum



CI/CD



Test-Driven Development



Featured Projects

AquaCheck La Ceja

Python, Flask, RESTful API, SQLite, SQLAlchemy ORM, Dash, Pandas, Plotly, Bootstrap, Git, Docker, Unit Testing

Comprehensive water quality monitoring system that I developed as a personal project for La Ceja, implementing a full-stack MVC architecture. I designed a normalized SQLite database using ORM techniques to capture and store critical water parameters, along with an interactive web interface using Dash and Bootstrap. The system features advanced analytical visualizations through Plotly, enabling real-time identification of trends and anomalies. I implemented a complete RESTful API with CRUD operations, unit tests for core components, and configured CI/CD pipelines for automated deployment on the Render platform, ensuring 99.8% uptime and reducing data processing time by 65%.

Interactive Digital Resume

HTML5, CSS3, JavaScript, Responsive Design, Flexbox, CSS Grid, GitHub Pages, Web Accessibility

I developed this digital CV from scratch applying modern web development techniques and semantic HTML5. I implemented responsive design using CSS Grid and Flexbox to ensure optimal viewing on all device types (mobile, tablet, desktop). The application features dynamic content loading using JavaScript to improve performance, WCAG accessibility compliance, and SEO optimization. The design includes subtle transitions and animations to enhance user experience while maintaining a professional and clean appearance. The codebase is maintained in Git with structured commits and deployed through GitHub Pages for seamless updates.

Work Experience

Cost Manager

Jul 2023 - Jul 2024

Puro Cuero

- Established and updated product costs with detailed tracking to ensure accuracy.
- Prepared budgets and prices for quotations aimed at retail points and export.
- Developed cost sheets based on productive process information to improve transparency and efficiency.
- Supervised cost management in production, implementing strategies that reduced operational costs.

General Administrator

Oct 2022 - Jun 2023

Mr Cheester SAS

- Managed and led teams to achieve goals in a collaborative and motivating environment.
- Ensured quality in produced products and services provided.
- Generated purchase orders and maintained strong relationships with suppliers to guarantee timely supplies.
- Controlled inventories and supervised merchandise reception and verification to prevent discrepancies.
- Ensured compliance with OSH standards and prepared payroll accurately and timely.

Process Leader

Feb 2022 - Oct 2022

Distrito Horeka SAS

- Optimized picking and packing processes, improving operational efficiency and reducing delivery times.
- Prepared shipping guides and manifests accurately, ensuring regulatory compliance.
- Coordinated purchase orders to guarantee efficient and timely supply.
- Strategically planned distribution routes, maximizing efficiency and reducing logistics costs.

Professional Skills

Project Management

Data Analysis

Teamwork

Problem Solving

Links

GitHub github.com/Crisvg25

LinkedIn [LinkedIn](#)

Interests

Backend Development

Web Development

Agile Project Management

Data Visualization and Analysis

API Design

Database Architecture

Artificial Intelligence and Machine Learning

Continuous Learning

Administrative Advisor

Sep 2020 - Sep 2021

Transportes Unidos La Ceja

- Supervised merchandise reception and verification, ensuring regulatory compliance and product quality.
- Provided customer advice and support, effectively resolving requirements and issues.
- Prepared reports and key indicators to support informed decision-making.
- Optimized picking and packing processes, improving operational efficiency and reducing errors.

Lead Advisor

Jul 2014 - Dec 2016

ANDES BPO

- Monitored performance indicators to evaluate operations performance and effectiveness.
- Developed and managed strategies for various collection campaigns, optimizing results and increasing recovery.
- Received and analyzed corporate client requests, ensuring compliance with their requirements.
- Provided high-quality customer service, effectively addressing complaints and claims.

Education

Data Visualization, Analysis and Interpretation in Power BI

Dec 2024

CESDE

Comprehensive training in data visualization techniques, DAX formulas, data modeling and creation of interactive dashboards for business intelligence.

Smarbit Programming Program

May 2024 - Aug 2024

Instituto Técnico Aurelio Patiño Patiño

Advanced programming techniques, version control with Git, API integration and collaborative development practices.

Back End Programming Bootcamp

Jul 2023 - May 2024

MAKAIA

Intensive program focused on Python, Flask, SQL databases, REST API development and deployment technologies. I developed multiple backend applications, including API services and database-based applications.

Internal Quality Audit

Jul 2020 - Nov 2020

SENA

Training in internal audit fundamentals, audit planning and preparation, internal audit execution procedures and improvement actions.

Diploma in Project Management

Feb 2020 - Jun 2020

Politécnico de Colombia

PMI methodology, project planning, resource management, risk assessment and agile project execution techniques.

Technology in Industrial Management

Aug 2015 - Aug 2019

Politécnico Jaime Isaza Cadavid

The curriculum included process optimization, operations research, statistics and information systems for business management.