

JUAN SEBASTIAN CARDENAS GIRALDO

Junior Full Stack Developer | Systems Engineer | React | Java | Spring Boot | Python
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PROFESSIONAL SUMMARY

Systems Engineer and Junior Full Stack Developer with hands-on experience building responsive interfaces, REST APIs, backend services, data workflows, and cloud-based MLOps systems. Skilled in React, TypeScript, Java, Spring Boot, Python, FastAPI, SQL, MLflow, Docker, and Google Cloud Platform. Interested in building maintainable, scalable, product-oriented software with strong backend, cloud, and software architecture foundations.

TECHNICAL SKILLS

- Frontend:** React, Next.js, TypeScript, JavaScript, Tailwind CSS, HTML, CSS, Responsive Design
Backend: Java, Spring Boot, Python, FastAPI, Node.js, Express.js, REST APIs, JWT, Microservices
Cloud and DevOps: Google Cloud Platform, Docker, Cloud Storage, Vercel, Supabase, Deployment Workflows, Git
Data and MLOps: Python, SQL, Pandas, NumPy, Scikit-learn, TensorFlow, MLflow, Data Preprocessing, Model Evaluation
Databases and Tools: PostgreSQL, MySQL, MongoDB, Jira, Confluence, Bitbucket, Figma, Scrum, Scrumban, Kanban
Familiar With: Kubernetes, React Native, Neo4j, CouchDB, C#

EXPERIENCE

- Data Scientist / Systems Engineer**
Emergia

Jul. 2025 – Dec. 2025
Manizales, Colombia

 - Built and supported components of a private MLOps platform for managing AI model lifecycle workflows, from model templates to execution services.
 - Structured backend workflows where Python model templates were registered in MLflow, stored in Google Cloud, and executed through dedicated runner services.
 - Supported a cloud-based microservices architecture using FastAPI, React/TypeScript, SQL metadata layers, MLflow artifact tracking, and Google Cloud Storage.
 - Designed orchestration flows where a central service triggered one or multiple model executors from a management interface.
- Data Science and Systems Engineering Intern**
Emergia

Jan. 2025 – Jun. 2025
Manizales, Colombia

 - Supported data preprocessing, exploratory analysis, documentation, and internal workflow organization for data science and engineering initiatives.
 - Assisted machine learning experimentation and validation workflows, documenting technical decisions and model development steps.
 - Designed a Scrumban-based workflow structure to improve task visibility, delivery tracking, and collaboration within the technical team.
 - Helped define an initial MLOps pipeline connecting model creation, artifact registration, cloud storage, execution services, and interface-driven orchestration.
- Junior Full Stack Developer and Research Assistant**
Cognitivital

Jul. 2024 – Dec. 2024
Manizales, Colombia

 - Developed a predictive machine learning model in Python using TensorFlow and Scikit-learn, covering data cleaning, preprocessing, training, and evaluation.
 - Built REST endpoints to manage users, historical records, and real-time AI-assisted classifications.
 - Created responsive interfaces with Angular, TypeScript, Bootstrap, and CSS3, integrating backend services with validation and error handling.
 - Supported the design of an AI-assisted cognitive screening workflow based on questionnaires, structured data, and model outputs.

PROJECTS

Cloud MLOps Environment | *React, TypeScript, FastAPI, Google Cloud, MLflow, SQL* [Company Context](#)

- Contributed to a private cloud-based platform for managing AI model lifecycle operations, execution workflows, metadata, and model artifacts.
- Separated responsibilities across frontend, API services, artifact storage, metadata persistence, execution runners, and orchestration logic to improve maintainability.

AI Cognitive Screening Model | *Angular, FastAPI, Python, TensorFlow, Scikit-learn* Organization Context

- Worked on an AI-assisted cognitive screening workflow that connected questionnaire data, backend APIs, model inference, and web interfaces.
- Integrated Angular frontend components with FastAPI services to support structured data handling and AI-assisted classification flows.

Photography Portfolio Website | *React, TypeScript, Vercel, Supabase, SQL* Live Page

- Developed a public photography portfolio website focused on responsive presentation, visual hierarchy, and direct navigation.
- Used React, TypeScript, Supabase, SQL, and Vercel to deliver a lightweight and maintainable web experience across devices.

EDUCATION

Universidad Autonoma de Manizales Manizales, Colombia
Bachelor's Degree in Systems Engineering Jan. 2019 – Jul. 2025

- Academic background in software engineering, web development, databases, artificial intelligence, machine learning, computer networks, and software architecture fundamentals.

COURSES

Ultimate React Course | *Jonas Schmedtmann*

- Practical training in React fundamentals, component architecture, hooks, state management, routing, and modern frontend patterns.

Spring Microservices Course | *Spring Boot & Spring Cloud*

- Training in Spring Boot, microservices architecture, service communication, API design, and cloud-oriented backend patterns.

ACHIEVEMENTS

Academic Excellence Scholarship | *Universidad Autonoma de Manizales* 2019 – 2024

Honor Mention for Academic Merit | *Universidad Autonoma de Manizales* 2023

Honor Mention for Academic Merit | *Universidad Autonoma de Manizales* 2021

LANGUAGES

Spanish: Native
English: C1 – Advanced