

# Juan Sebastian Vargas

Bogotá, Colombia

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## EXPERIENCE

**Neostella Senior Backend Developer | Product Lead**.....  
*Leading Full stack development for automation with key platforms* August 2024 - Present, Bogotá, Colombia

**Key Contributions:**

- Led the initiative to integrate Kafka into the distributed system architecture, enhancing real-time data processing and scalability.
- Proactively enhanced testing practices by initiating discussions and providing POCs with code examples and tests throughout various parts of the codebase.
- Led a team of developers, ensuring quality through code reviews, pair programming, and mentoring.
- Translated business needs into technical solutions, aligning development capacity with goals.

**Neostella Backend Developer II**.....  
*Developed and maintained microservices* Feb 2024 - July 2024, Bogotá, Colombia

**Key Contributions:**

- Developed and maintained microservices in a distributed system architecture.
- Enhanced microservices with Python and DynamoDB, utilizing AWS cloud technologies.
- Contributed to the adoption of event-driven architectures using AWS services.

**Anthology Software Engineer**.....  
*Worked on agile development teams in the edtech sector* October 2021 - November 2023, Bogotá, Colombia

**Responsibilities and Achievements:**

- Member of an agile team handling code reviews, pull requests, and feature development for LMS.
- Authored and reviewed technical documentation for new and existing features.
- Collaborated closely with cross-functional teams to deliver high-quality software.

**WSEEDS CTO & Co-Founder**.....  
*Developed IoT devices and AI algorithms for the agtech industry* February 2019 - July 2021, Bogotá, Colombia

**Significant Projects:**

- Led AI and IoT implementations, enhancing agricultural processes and system reliability.
- Collaborated with third-party consultants to integrate external code and functionalities, effectively representing business interests across diverse teams and geographical locations.
- Developed user-centric applications, improving data visualization and interaction.

**Klaus Solutions CTO & Co-Founder**.....  
*Oversaw development of custom software solutions for e-commerce* February 2020 - April 2021, Bogotá, Colombia

**Technical Leadership:**

- Managed backend systems for e-commerce, integrating essential services and APIs.

## PROFILE

Passionate software engineer with a physics background, experienced at developing scalable solutions and enhancing development processes. Experienced in working with large-scale distributed systems, microservices, and cloud technologies. Strong problem-solver with effective communication skills, committed to delivering high-quality software solutions.

## SKILLS

|               |                                                                           |
|---------------|---------------------------------------------------------------------------|
| Languages     | Python, Java, C++, JavaScript, basic Haskell                              |
| Frameworks    | Node.js, React.js, Vue.js, FastAPI, Django, Spring                        |
| Databases     | MongoDB, SQL, PostgreSQL, DynamoDB                                        |
| Tools         | Git, Docker, AWS, Serverless, CloudFormation, Kafka, New Relic, Coralogix |
| Methodologies | Agile, Scrum, CI/CD, Infrastructure as Code                               |

## EDUCATION

**Universidad de los Andes** Bogotá, Colombia  
*Bachelor in Physics with Minor in Computational Mathematics*  
2012 - 2024

## LANGUAGES

- Spanish (Native)
- English (Advanced)

## INTERESTS

- Distributed Systems
- Functional Programming
- Cloud Computing
- Machine Learning