

Nicolás Venegas

Santiago, Santiago Metropolitan Region, Chile

nicovenegas18@gmail.com

+56949988297

[linkedin.com/in/covedev](https://www.linkedin.com/in/covedev)

Summary

As a fullstack developer with a strong enthusiasm for learning and contributing to the technology field, I currently specialize in web application development. My experience spans a variety of technologies and frameworks, including:

Java with Spring: experience building robust and scalable applications.

Python and Django: Efficient web application development with a focus on speed and security.

React and Vue: Designing interactive and modern user interfaces, leveraging the latest frontend trends.

JavaScript/Node.js: Strong skills in this essential language for modern web development.

In addition to my focus on web development, I have a growing interest in the area of data analytics, exploring how data can be used to inform and improve decision making in business and technology.

Technical Competencies:

Data Structures: Extensive knowledge in organizing and efficiently managing data to optimize application performance.

Cloud Computing with AWS: Hands-on experience in deploying and managing applications in the cloud, ensuring scalability and security.

Docker: Skills in application containerization, facilitating consistent distribution and deployment.

I am always looking for new opportunities and challenges that allow me to grow professionally and contribute significantly in the field of software development

Experience



Full-stack Developer

Facultad de Ingeniería USACH

Aug 2023 - Jan 2024 (6 months)

As a pivotal member of a dynamic development team, I led the comprehensive re-engineering of two intricate monolithic rubric management systems. Our collective objective was to modernize these systems, transitioning them into a more agile and scalable architecture based on microservices, poised for seamless deployment onto servers.

Our approach involved meticulous planning and execution. We carefully dissected the existing monolithic architecture, identifying key functionalities ripe for modularization. Through collaborative effort and agile methodologies, we iteratively designed and implemented a robust Ruby on Rails backend, meticulously structured around microservices. This architectural overhaul not only facilitated scalability but also bolstered security measures, ensuring the system's resilience to potential threats.

On the frontend, I led the charge with Vue.js, a nifty JavaScript framework. Using Vue's magic, we crafted a slick, user-friendly interface with all the bells and whistles. Think dynamic elements, interactive

features—the works. Our goal? To make sure users had a seamless experience, and boy did we deliver.



Assistant Laboratory "Fundamentals of programming for engineering"

Universidad de Santiago de Chile

Jan 2021 - Jan 2024 (3 years 1 month)

I was dedicated to guide students in their first software project, teaching project and group organization, all this in the Python programming language.



Assistant Professor "Programming Fundamentals for Engineering"

Universidad de Santiago de Chile

Jan 2021 - Jan 2024 (3 years 1 month)

Assistant of the course "Fundamentals of programming for engineering", with the main task of helping to understand the basic concepts of programming using the Python language, starting from variables to numpy and matplotlib.



Assistant professor "Data structure"

Universidad de Santiago de Chile

Jan 2021 - Dec 2022 (2 years)

I was dedicated to teach the different data structures to programming students in the C programming language, going from structures, trees and graphs to Hash tables both statically and dynamically.

Education



Universidad de Santiago de Chile

Ingenierio Civil Informatico, Programación informática, general

2020 - 2025

Skills

Project Management • Microservices • System Architecture • Ruby on Rails • Server Side • Full-Stack Development • Communication • Data Analysis • University Teaching • Software Development