Michael Stiven Garnica García

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Career Summary

Michael is a highly skilled Back end Developer with extensive experience in modern web development frameworks, including Spring Boot (Java), Spring cloud and knowledge with Microservices architecture, API Gateway and Eureka(service discovery). With a proven track record in the entire software development lifecycle. Passionate about clean code, efficient system design, and innovative problem-solving. Familiar with Agile methodologies and collaborative workflows.

Summary of Qualifications

Proficient In:
Git | MySQL | PostgressSQL | Microservices architecture | Resilience4j | Jacoco | REST API | SQL | API Gateway | Config Server | Eureka (Service Discovery) | Unit Testing | JUnit | Mockito | SpringBoot | Collections | Java 8, 11, 17 | Good programming Logic | OOP | Basic Design patterns (DTO ,DAO, Builder, Singlenton

Languages

- Spanish (native)
- English (B2)

Career History

Globant, Bogotá, Colombia
Full Stack Developer   **Jul. 2024 – Sept. 2025**

Implemented internationalized routing using Next.js App Router to deliver localized experiences across multiple languages, ensuring seamless navigation across different regions. To support a modern and responsive user interface, developed modular and reusable components using React and styled them efficiently with Tailwind CSS. For managing multilingual content, integrated react-i18next, enabling dynamic language switching and maintaining consistency between server and client rendering. Additionally, combined a backend microservices architecture with java using Eureka, config server and API Gateway to create a scalable and efficient back end to enhance the way of managing requests and communication between business domains.

Tools:Next.js (App Router), React, Tailwind CSS, React-i18next, NextINTL, Consume REST APIs, microservices, Eureka, config server, API Gateway.

Software Factory SENA , Bogotá, Colombia
Full Stack Web Developer   **Jul. 2024 – Mar. 2025**

Developed scalable web applications using Next.js and Spring Boot to deliver digital solutions for SENA facilities, collaborating with cross-functional teams to enhance system architecture, implement SOLID principles, and enforce Clean Code standards—resulting in more efficient and maintainable codebases. Led security enhancements for "Hermes" (one of the organization's flagship projects) by integrating Spring Security and designing a JWT-based authentication system, ensuring robust protection for API endpoints. Optimized development workflows by promoting best practices, improving scalability, and maintaining high code quality across multiple projects.

Tools: Next.js (app router and pages router), TypeScript, JavaScript, Java, SpringBoot, REST API's, Layered architecture, DTO, JWT, Hibernate, JPA, PostgressSQL, Tailwind CSS.

Projects

Hotel booking management
Stack: Java, SpringBoot, Spring Cloud, Config Server, Eureka Service discovery, API Gateway, Microservices architecture, Layered architecture, FeignClient, Resilience4j, Circuit Breaker, Exception handling (between microservices communication and in each service), JUnit, Mockito, Postman, Java 8, 11, 17.

I created a backend application to the booking management of a Hotel. This project had the intention of grow my skills as a backend developer with Java and its ecosystem. This backend application is mainly focused on booking management, because it requires communication between different microservices, allowing me to strengthen my skills with the spring cloud ecosystem and microservices architecture. The structure is divided in 6 microservices; 3 of those are for configuration like API Gateway, Config server and service discovery with Eureka. The other 3 microservices have business logic. Those 3 microservices are divided in "hosts", "bookings" and "rooms" in when I implemented unit testing with JUnit and Mockito. Also, implementing resilience with the Resilience4j library when the communication with other microservices.

- You can find the code of the project in my pinned projects in my github profile:
  - https://github.com/ZhuoKross
  - Or if you want a quick shortcut:
  - https://github.com/ZhuoKross/Hotel_booking_management.git

Omnilearn
Stack: HTML, Next.js, App router, React, Express.js, tailwindCSS, Redux, Redux toolkit, JavaScript, TypeScript, DeepL API, Anki connect API, decoupled architecture, Postman.

I created a web application with decoupled architecture in which the main purpose was to create a tool to help self thought people to optimize the time that they invest in the learning process. For that purpose I created 2 main modules. The first is a web scraper that collects information based on an URL passed from the user and shows it in blocks of content based on the structure of the web page scraped in a separate view. In that view, the user can select the blocks of content that he has interest in and create flashcards in Anki. The second module is for polyglot people that learn languages in a self thought way. That module is for gaining vocabulary quickly based on words that the user searches. With another API I retrieve the meanings that the word could have and I show it to the user allowing the user also creates flashcards of the words that he wants to study.

- You can find the code of the project in my pinned projects in my github profile:
  - https://github.com/ZhuoKross
  - Or if you want a quick shortcut, these are the URL of the projects:
  - Front-end: https://github.com/ZhuoKross/omnilearn_front.git
  - Back-end: https://github.com/ZhuoKross/omnilearn_back.git

Education

Tecnólogo en Análisis y Desarrollo de Software. Bogotá, Colombia
Jan. 2024 – Sept. 2025

Técnico en Desarrollo de Software. Bogotá, Colombia
Jan. 2022 – Dec. 2023