

Angel Alfredo Ortega Noriega

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Education

Get Certification Google

Google Cloud Skills Boost | August - Present, Online.

Metaphorce Booster

Microservices in Java Middel | Marzo - Agosto, León, México.

Oracle next Education

Especialización Back-End | 2024 , México.

- Programming Logic with JavaScript
- Learn to Program in Java with Object-Oriented Programming
 - *Java and Spring Boot*
 - *Personal Development*

Platzi

Course Platform | 2022 - 2024, México.

- *SOLID Principles Course in C# and .NET*
- *Azure DevOps Course: CI/CD Pipelines*
- *Clean Code and Best Practices in C# Course*
 - *GitHub Actions Course*
- *SOLID Principles Course in C# and .NET*
 - *Professional Git and GitHub Course*
 - *Bash Shell Programming Course*

Technical Skills

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|---------------------------|----------------------|-------------------|
| • <i>Machine learning</i> | • <i>Java / C#</i> | • <i>Git</i> |
| • <i>Python</i> | • <i>Spring Boot</i> | • <i>Figma</i> |
| • <i>MongoDb</i> | • <i>SQL</i> | • <i>Asp.Net</i> |
| • <i>Docker</i> | • <i>React</i> | • <i>Maui.Net</i> |

Experiencia

Custom Programming Language

Open Source | 2024-2023, León, México.

I led the development of a new custom programming language from scratch, focusing on simplicity, expressiveness, and performance. The project involved designing the syntax, semantics, and core features of the language, including variables, control flow, functions, and data structures. I implemented the lexer and parser using ANTLR, and developed a custom interpreter and virtual machine for execution. The language was designed to be cross-platform, and I incorporated a garbage collector to manage memory efficiently. The project also included extensive testing and benchmarking to ensure the language's stability.

and performance. This endeavor allowed me to deepen my understanding of compiler theory and language design, showcasing my ability to innovate and push the boundaries of software development.

Bibliotech

Metaphorce | March - August, León, México.

As a developer in the Bibliotech project, I designed a microservices architecture with a focus on scalability as the database engine, using MongoDB, organized into three specific databases: users, books, and book rentals, optimizing data management and scalability. I implemented advanced security measures, such as token-based authentication and a custom library for permission management using binaries, ensuring precise access control. Additionally, I used environment variables in Docker containers to secure sensitive configurations. For API deployment, I used Docker for image building and automated deployment, effectively integrating CI/CD processes. These practices ensure a robust, secure, and efficient platform, demonstrating my ability to manage complex projects with a focus on innovation, scalability, and continuous improvement.

School Asp net

Platzi curse | 2024 , México.

I created and designed a platform for students using an MVC architecture in .NET, which provided me with a solid foundation in object-oriented programming and continuous deployment. Through this project, I gained hands-on experience with CI/CD development workflows and the fundamentals of cloud computing. I used Azure to deploy the application, strengthening my skills in managing production environments in the cloud. This work allowed me to develop key technical skills in web development and application deployment, as well as a deep understanding of best practices in software architecture.

Pokédex

Platzi curse | 2023 , México.

I led the development of a mobile application from scratch, designing the user interface and efficiently managing data consumption. My work included implementing key functionalities, from initial architecture to optimizing performance and user experience. I used best development practices to ensure a robust and scalable application, focusing on an intuitive interface and seamless integration with external APIs. This project allowed me to apply my skills in design, development, and project management, demonstrating my ability to take an idea from the conceptual phase to a finished, high-quality product.

Freelance

SEO/ SEM- Web Design- Web Development | 2023 , México.

I developed and maintained websites for various companies, applying SEO and SEM techniques to improve business results and reach.

Grupo GSF

Web Development | 2021- 2022 , León, México.

worked on the development and maintenance of the company's website, using SEO and SEM strategies to optimize results and expand the site's reach.

Blog Personal

Web Development | 2019- 2021 , México.