

# Nestor Arturo Guerrero Castro

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## Summary

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I thrive in the intersection of software engineering, data analysis, and emerging technologies like cloud computing and AI. My approach combines curiosity-driven learning with practical problem-solving, allowing me to quickly adapt to new technologies and methodologies. Currently deepening my expertise in cloud architecture and modern software development practices. I'm excited to connect with like-minded individuals and explore opportunities that align with my passion for technology and innovation.

## Technical Skills

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**Programming Languages:** Python, JavaScript, SQL, HTML/CSS (SCSS)

**Frameworks & Libraries:** Astro

**Cloud & Tools:** Git/GitHub, AWS (learning), Docker (basic), Linux

**Areas of Interest:** Software Development, Data Analysis, Cloud Technologies, Artificial Intelligence, Automation

## Education

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**National Training Service (SENA)**, Associate's Degree/In Progress in Software Analysis and Development – Cesar, Colombia Nov 2023 – present

- Relevant Coursework: Software Engineering, Data Structures and Algorithms, Database Management, Cloud Computing

## Projects and Extracurricular Activities

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### Game of Thrones Wiki

Aug 2025

This project is an immersive fan wiki dedicated to the Game of Thrones universe, featuring a richly designed medieval-themed interface that captures the essence of Westeros. The website provides comprehensive lore, house information, and interactive elements that bring the world of ice and fire to life.

- HTML5 for semantic structure, CSS3 for sophisticated styling and animations, and JavaScript for dynamic animations
- The medieval aesthetic is achieved through careful typography choices, custom CSS animations, and a cohesive color scheme using CSS variables for consistent theming throughout the site.
- Interactive character quotes are achieved through JavaScript cycles that rotate quotes at timed intervals, with smooth fade transitions implemented through CSS animations, creating an engaging focal point on the homepage.

### AWS APAC Solutions Architecture virtual experience program on Forage

Sept 2025

Completed the AWS APAC Solutions Architecture virtual experience program on Forage, gaining hands-on experience in designing and implementing cloud solutions using AWS services.

- Gained practical knowledge of AWS services such as EC2, S3, RDS, and Lambda.
- Designed a simple and scalable hosting architecture based on Elastic Beanstalk for a client experiencing significant growth and slow response times.
- Described my proposed architecture in plain language ensuring my client understood how it works and how costs will be calculated for it.

## **Accenture UK Developer and Technology Virtual Experience Programme on Forage**

Sept 2025

Completed the Accenture UK Developer and Technology Virtual Experience Programme on Forage, enhancing my understanding of software development and technology consulting.

- Completed the Developer and Technology Job Simulation where I developed an end to end understanding of the Software Development Lifecycle.
- Conducted in-depth research into emerging technology trends, particularly in the field of DevOps, demonstrating a proactive approach to staying informed about the rapidly evolving tech landscape.
- Created and delivered a compelling PowerPoint presentation analysing and comparing Waterfall and Agile methodologies.
- Designed a custom algorithm using pseudocode and effectively communicated its logic by creating a detailed flow diagram.
- Debugged a program written in Python by fixing syntax and logic errors in the code.

## **Languages**

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**Spanish:** Native

**English:** Professional Working Proficiency

## **Soft Skills**

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- Problem Solving
- Attention to Detail
- Quick Learner
- Effective Communication
- Team Collaboration
- Self-Motivated