

Jonathan David Quespaz Sanchez

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</> Angular, .NET

[See light theme](#), [See Spanish Version](#)

EXPERIENCE

• Netby IT Consulting

Software Developer

Quito, Ecuador

June 2024 – Present

- At Confiamed, a leading prepaid medicine insurance company, I work extensively with Azure DevOps microservices to optimize and enhance backend operations. My responsibilities include bug fixing, implementing new functionalities, and ensuring system efficiency. I primarily focus on backend development using .NET, Entity Framework (EF), and SQL Server, all within an Agile environment.

• Sedemi

Senior Software Developer Analyst

Sangolqui, Ecuador

Mayo 2023 – May 2024

- Developed and implemented new Angular applications, adhering to approved functional documents and designs. I proactively suggested and coded enhancements to improve usability and compatibility. Additionally, I contributed to backend API development using the .NET framework and various design patterns. These applications were integral to supporting the migration to a new ERP system.
- The applications were specifically developed to support the Project Management department, Collections department, and the Production Plant for Construction.

• WebCreek

Software Engineer I

Quito, Ecuador

Feb 2021 – Feb 2022

- Designed and developed modules for an existing application focused on accounting logic, utilizing .NET for backend development and Angular for the frontend.
- Modified a web application to enhance responsiveness, utilizing SASS and integrating third-party libraries. I refactored the majority of styles and coordinated efforts to implement new modules, ensuring consistency and delivering an improved user experience.

• WebCreek

Software Engineer - Internship

Quito, Ecuador

Aug 2020 – Feb 2021

- Collaborated in a multicultural team to develop reports using the DevExpress Reporting tool. Gained experience with the .NET framework and Angular, managing requests and creating a visually appealing interface.

• Disanort (Family Business)

English, Physics and Math Tutor

Sangolqui, Ecuador

2017 – Present

- Taught and provided academic support to students across middle school, high school, and their first years of higher education.
- Currently tutoring students when required

EDUCATION

• Escuela Politecnica Nacional EPN

MSc in Software

Quito, Ecuador

May 2020 – May 2024

- Summa Cum Laude
- Thesis

- **The University of Manchester** Manchester, UK
BEng in Computer Systems Engineering 2016 – 2019
 - First Class
 - Certificate of Higher Education [↗](#) and Academic Transcript [↗](#)
- **INTO Manchester** Manchester, UK
IFY - International Foundation Year 2015 – 2016
 - Results: Further Maths - A*, Maths - A*, Physics - A*, EAP - A

CERTIFICATIONS

- **Coursera** MOOC
TypeScript Operators - ID: PGEY2DE6YDLF [↗](#) Issued May – 2023
- **Coursera** MOOC
TypeScript Variables and Data Types - ID: Z9SP7XFK4CEU [↗](#) Issued May – 2023
- **Coursera** MOOC
Intoduction to Bash Shell Scripting - ID: N78MDGBG9GPB [↗](#) Issued May – 2023
- **Coursera** MOOC
Reviews and Metrics for Software Improvements - ID: P7JVG8XMHUX9 [↗](#) Issued Jul – 2020
- **Udemy** MOOC
Java Design Patterns & SOLID Design Principles [↗](#) Issued Jun – 2021

PUBLICATIONS

- A Closer Look at MOOC Accessibility: Comparing Local and Global Platforms with WCAG 3.0 in Mind [↗](#)

PROGRAMMING LANGUAGES EXPERIENCE

- **C:** Mainly used for the implementation of well-known algorithms and optimization techniques. Heuristics, dynamic programming, Dijkstra, are a few examples
- **Java:** Used for multi-threading performance analysis, simple GUI development, Android applications, distributed systems simulations, Spring Framework web apps development
- **Matlab:** Implemented machine learning algorithms such as linear regression, knn, k-means and Naive Bayes
- **SQL:** Analysed case studies based on the Relational and Enhanced Relational models, implementing them in an Oracle server
- **Python:** Analysed signals in the frequency domain, encoded and decoded multimedia files using different approaches, worked on error detection and correction aimed to mobile systems
- **JavaScript:** Experience acquired in order to use the Google Maps API and Geo-location services in order to facilitate the use of the Spring Framework in web apps
- **C#:** Backend handling of requests in a web application. Mostly worked on DB updates, filter data optimally before processing to pass it to the frontend, and report generation using DevExpress

ADDITIONAL INFO

- **Languages:** Spanish – Native speaker, English – C2 Cambridge Certificate [↗](#)
- **Qualifications:** Driver's license, Open water diver – 1806AT8758 [↗](#)