Jonathan David Quespaz Sanchez ⬈

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 JonathanDQS ⬈

</> Angular, .NET

See light theme ⬈, *See Spanish Version* ⬈

EXPERIENCE

- **PUCE TEC**   Quito, Ecuador
  Adjunct Professor (Part-Time)   *April 2025 – Present*

  - University lecturer in the databases area. Teach Databases I and II, covering logical and physical data modeling, advanced SQL, normalization, relational design, and transactional database fundamentals.
  - Capstone (UIC) academic tutor, mentoring final-year students through the development and completion of their graduation projects.

- **Fibramax**   Sangolqui, Ecuador
  Senior Software Developer   *November 2024 – Present*

  - Co-leading the development of an in-house ERP system to streamline operations and support business growth. My responsibilities include the optimization of backend development with Django, PostgreSQL, and Python, as well as frontend implementation using React. Additionally, driving the adoption of DevOps practices by implementing Docker and GitLab to enhance deployment automation, scalability, and system efficiency within an Agile environment.

- **Netby IT Consulting**   Quito, Ecuador
  Software Developer   *June 2024 – November 2024*

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

- **Sedemi**   Sangolqui, Ecuador
  Senior Software Developer Analyst   *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**   Quito, Ecuador
  Software Engineer I   *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.

EDUCATION

- **Escuela Politecnica Nacional EPN**   Quito, Ecuador
  MSc in Software   *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⬀

CERTIFICATIONS

- **CETCIS**   Continuing Education
  EDU TECH docencia creativa e inteligente con inteligencia artificial⬀   *Issued Nov – 2025*

- **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*

- **Udemy**   MOOC
  Java Design Patterns & SOLID Design Principles⬀   *Issued Jun – 2021*

- **Coursera**   MOOC
  Reviews and Metrics for Software Improvements - ID: P7JVG8XMHUX9⬀   *Issued Jul – 2020*

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

- **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

ADDITIONAL INFO

- **Languages:** Spanish – Native speaker, English – C2 Cambridge Certificate⬀

- **Qualifications:** Driver's license, Open water diver – 1806AT8758⬀