

# **Juan José Zeledón Benavides**

Systems Engineer | Software Developer

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Experienced Systems Engineer specializing in software development, with a strong background in building and maintaining web and desktop applications. I am skilled in backend and frontend technologies, database management, and deployment of scalable applications.

## **PROFESSIONAL EXPERIENCE**

### **FREELANCING**

Estelí, Nicaragua

#### **IT Consultant + Tech Services**

*Since January 2023*

- Full-stack software development for web and desktop applications.
- Administration of Ubuntu Server with WordPress and cPanel for websites, email, and FTP management.
- Graphic design for digital and print media.
- Hardware and software maintenance, as well as general tech support.
- Deployment of applications on Digital Ocean using Ubuntu-based Droplets.
- Intermediate experience with Docker for containerized applications.

### **SDA GLOBAL CORP (Transport and Logistic Company)**

(Remote) Chicago, USA

#### **Software Engineer and User Support Specialist**

*September 2019 – August 2022*

- Administration and Maintenance of the Job Master Control software (Legacy), developed in ASP Classic with SQL Server, ensuring its functionality and stability. Job Master Control is a dashboard designed to watch and manage all ongoing delivery orders. This tool serves as a centralized panel that offers information on the status of each ongoing delivery through a combination of numerical indicators and graphical representations. It provides specific information, allowing for a quick and comprehensive overview of the entire delivery process. It helps decision-making by presenting critical data and visualizations that illustrate the progress and status of each shipment.
- Integration of new modules into this system using PHP and JavaScript, with MySQL as the database, including the consumption of external APIs to extend the software's functionality and adapt it to new requirements.
- Implemented automated database backup and recovery procedures for business continuity.
- Updated system logs to ensure accuracy and consistency across the platform.

- Provided technical support, troubleshooting issues, and ensuring smooth operations for company users.

## **AGROTECNOLOGÍA DE NICARAGUA (AGROTECNISA)**

Estelí, Nicaragua

### **Head of the IT Department**

*August 2017 – August 2018*

- Developed a client historical records management system, reducing document verification time from 3 days to a few hours:
- Desktop version: C# (.NET Framework) with Entity Framework and MySQL.
- Web version: PHP, JavaScript, and MySQL.
- Designed marketing materials for print and digital platforms, including managing social media and website content.
- Managed company networks and CCTV surveillance systems.
- Maintained and optimized computer equipment and operating systems for extended longevity.

## **UNI RUACS**

Nicaragua

### **Instructor**

*May 2021 – December 2023*

- Taught courses in Programming, Databases, and Software Engineering for Systems Engineering students.
- Supervised projects for Science and Technology Fairs.
- Advised a thesis on a Wood-Based Structural Calculation System for the Civil Engineering program.

## **UNIVAL**

Estelí, Nicaragua

### **Instructor**

*October 2015 – December 2022*

- Taught Statistics, Mathematical Calculus, Financial Mathematics, and Operations Research.
- Recognized for contributions and leadership in the academic and scientific development of future professionals during the periods of 2017 and 2018.

## **TECHNICAL SKILLS**

- **Backend Development:**
  - Node.js & Express (with MySQL, SQL Server, and MongoDB using native connectors).
  - ORMs & ODMs: Sequelize (for SQL databases), Mongoose (for MongoDB).
  - C# (.NET Framework & .NET Core) with SQL Server and MySQL using native connectors, implementing 3-layer and 4-layer architectures.
  - Visual Basic .NET with SQL Server and MySQL using native connectors, 3-layer and 4-layer architectures.

- PHP Vanilla (procedural and OOP), with MySQL.
- NestJS + Prisma ORM (basic level).
- **Frontend Development:**
  - React, Astro, TypeScript, TailwindCSS (Intermediate level).
  - HTML5, CSS3, JavaScript (ES6+), and Bootstrap.
- **Databases & Cloud:**
  - MySQL, SQL Server, and MongoDB.
  - Experience with stored procedures, views, triggers, and database optimization.
  - Digital Ocean (Ubuntu-based Droplets) for app deployment.
- **Other Technologies:**
  - Docker (Intermediate knowledge of containers and images).
  - WordPress & cPanel (Website, email, and FTP management).
  - Git & GitHub (Version control and collaboration).
  - Agile Methodologies & Teamwork.

## **LANGUAGES**

English: Very Fluent

Spanish: Native

## **EDUCATION**

UNIVERSIDAD NACIONAL POLITÉCNICA (UNP)

Estelí, Nicaragua

Degree in Law

*Currently Enrolled*

UNIVERSIDAD NACIONAL DE INGENIERÍA

Managua, Nicaragua

Systems Engineering

*January 2018*

KEYWORDS: Developer, Software Engineer, Express, React, Astro, TypeScript, TailwindCSS, JavaScript, C#, MongoDB, MySQL, SQL Server, Legacy Systems, Database Management, Docker, DigitalOcean, Git, HTML, CSS, PHP, API Development, ORM, ODM, Documentation, Analysis, Support, Deployment, Entity Framework, Dev Express, Guna, Instructor, WinForms, API, Sequelize, Prisma