

José de Jesús Rodríguez Ángel

Software Engineer

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Professional Summary

Computer Systems Engineer focused on web development using HTML, CSS, and JavaScript. Possess basic knowledge of Java acquired during academic training, along with experience using modern frameworks and version control tools to build functional and maintainable user interfaces. Motivated to continue strengthening web development skills and applying software development best practices.

Technical Skills

- **Languages:** HTML5, CSS3, JavaScript, Java (basic)
- **Styling & Frameworks:** Sass, Bootstrap, Tailwind CSS, Astro
- **Tools & Platforms:** Git, GitHub, Vercel, VS Code, IntelliJ IDEA

Projects

Personal Portfolio 02/2025 – Present

Frontend Developer

- Developed a responsive personal portfolio using HTML, Tailwind CSS, JavaScript, and Astro
- Implemented a mobile-first design and optimized load times for better UX
- Deployed the website using Vercel and integrated GitHub for version control

One Dark Vibrant Theme for VS Code

03/2025

Frontend Designer

- Designed a VS Code theme inspired by One Dark Pro, with custom colors and syntax highlights
- Published the theme on GitHub and provided a live demo for users to preview
- Demonstrated knowledge in design principles, JSON configuration, and VS Code extension structure

Thesis Project – Flood Mapping using Satellite Imagery

08/2023 – 08/2024

Researcher / Developer

- Contributed to the development of a methodological proposal for flood mapping using Sentinel-1 and Sentinel-2 satellite imagery
- Developed and implemented deep learning models based on convolutional neural networks (CNN) for accurate detection and classification of flood-affected areas

Education

Instituto Tecnológico Superior de los Ríos

Balancán, Tabasco

Bachelor in Computer Systems Engineering

2018 – 2024

Publications

- José de Jesús Rodríguez Ángel, *Hacia la detección de inundaciones mediante imágenes satelitales y redes neuronales convolucionales*, Revista Tecnología Digital, Mar. 2023. Link

Languages

- **Spanish:** Native
- **English:** Basic (A2)