

# José de Jesús Rodríguez Ángel

## Software Engineer

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## Professional Summary

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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

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

## Projects

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### 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

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Instituto Tecnológico Superior de los Ríos

Balancán, Tabasco

*Bachelor in Computer Systems Engineering*

2018 – 2024

## Publications

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

## Languages

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