

Jose Andrés Mejías

jose.andresmr@hotmail.com <https://www.linkedin.com/in/merojosa/> <https://merojosa.dev/>

Skills

- **Languages:** TypeScript, JavaScript, HTML, CSS, SQL, Python, Java, C#
- **Frameworks/Libraries:** React, Node.js, FastAPI, Next.js, Svelte, SvelteKit, NestJS, React Native
- **Artificial Intelligence:** LLM development with Amazon Bedrock, Object detection and classification with YOLOv8
- **Methodologies and software engineering practices:** Agile, Scrum, Design patterns, Clean Architecture

Experience

Software Engineer

Heredia, Costa Rica

First Factory

Jan 2021 - Present

- Full stack developer in new and legacy projects
- Developed web applications with technologies such as React, Node.js, AWS, Azure, GraphQL, SQL, Python and React Native, among others.
- Performed backlog grooming with clients.
- Co-managed a project and designed requested features.
- Refactored legacy code and migrated features to new technologies.

Research Professor

San José, Costa Rica

CITIC, University of Costa Rica

Mar 2023 - Present

- Developed an automated system that can detect unhealthy ads
- Created and processed a dataset with junk food images and their respective classes
- Implemented and trained a Deep Learning model to automatically detect junk food images using Python and YOLOv8

Web Development Co-Instructor

San José, Costa Rica

ECCL, University of Costa Rica

Feb 2023 - Mar 2023

- Designed front end development workshop for 3 weeks.
- Taught HTML, CSS, JavaScript, frameworks, meta-frameworks, React, client side rendering, server side rendering, among others.

Projects

Organizer

React Native, TypeScript, SvelteKit, Go

Jul 2023 - Present

- Agenda for people with ADHD
- Focused on people who have trouble remembering important events

Unhealthy Food Detection

Python, Vision Transformer (ViT), YOLO, Deep Learning

Mar 2023 - Present

- Multidisciplinary effort (nutrition and computer science) to detect and classify unhealthy food ads
- Create an unhealthy food dataset
- Train and evaluate different models
- A paper was written to report preliminary results and it was published in CISTI'2023

Education/Certification

AWS Certified Cloud Practitioner

Credential ID: 3NJ97G1B5NE41VC7

2024

Master's degree, Computer Science

University of Costa Rica

2021 - Present

Bachelor's degree, Software Engineering

University of Costa Rica

2015 - 2020