




# Ulises Santana - Full Stack Developer

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## Education & Experience

-  Certificate of Higher Education: Business Management and Marketing
-  Certificate of Higher Education: Web Application Development.
-  Co-founded a digital marketing studio.
-  Working on digital products since 2013, professionally building software since 2016.
-  Working on projects using eXtreme Programming since 2020.
-  Experience working in an international environment.
-  Experience as both individual contributor and team lead.
-  Lifelong learner focused on value delivery, mentorship, and maintainable software.
-  Fluent in English and Spanish.

## Technology Highlights

-  **JavaScript, Node.js & TypeScript** (proficient; JavaScript is my mother tongue)
-  **Frontend:** React, AngularJS, Vue, HTML, CSS, CSS-in-JS, SCSS.
-  **Backend:** Express, NestJS, Fastify, PHP (Symfony), MySQL, MongoDB.
-  **Architecture:** Clean Architecture, Hexagonal Architecture, Microservices, Microfrontends, Backend For Frontend.
-  **Tooling:** Docker, GitLab, Husky, Vite, Hygen, Jest, Vitest, Cypress, CI/CD.
-  **Other:** AMQP, TDD, Technical documentation, async communication.



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## ⚡ Career Highlights

- ⚡ Led the technical setup and frontend architecture of large-scale projects used by millions.
- ⚡ Introduced and promoted TDD, leading to taking control back of the core legacy product.
- ⚡ Developed dozens of microservices communicating via HTTP and AMQP protocols.
- ⚡ Built and maintained an invoice engine used by over 300K customers.
- ⚡ Improved a Node.js process from 5 hours to 5 minutes by eliminating event loop blocking code (featured in [blog post](#) and [talk](#)).
- ⚡ Coached teammates and clients in TypeScript, Node.js and sustainable software practices.
- ⚡ Evangelized testing, clean architecture and maintainability across multiple teams.
- ⚡ Applied TDD as design flow for multiple projects resulting in a full test coverage and smooth deploy to production.
- ⚡ Used Clean Architecture successfully in multiple projects resulting in a continuous greenfield feeling.
- ⚡ Dockerized microservices and local development infrastructure since 2017.



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## ❤️ Stuff I love

- ❤️ Building things in **JavaScript**, **TypeScript** and **Node.js**
- ❤️ Projects with **tests**, **clear architecture** and **a purpose**.
- ❤️ **Progressive Web Apps** & **Web Ecosystem**.
- ❤️ **Open Source**: Creator of [git-reporter](#), [diff-lines](#), [array-analyzer](#), and [pending notes](#), an Obsidian plugin. I love to create my own tools.
- ❤️ **Solve problems** through software.
- ❤️ Walking in nature with **Mocha**, my chihuahua (named after JS code name!)
- ❤️ Play board games and video games with friends.
- ❤️ Music. I can't spend a day without music. I was guitar and bass player on metal bands. Nowadays I'm learning how to produce electronic music.

## 🧠 Curious about

- 🧠 Data science. I'm interested in this area along with machine learning and AI.
- 🧠 Neurology and psychology. I was a psychology student at college.