NICOLÁS TOVAR

Senior JavaScript (Full-stack) Engineer

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📍 Bogotá Colombia

EXPERIENCE

Senior Engineer
12/2021 - 12/2024

Stellar Elements an Amdocs Company
Bogotá, COL.

- Led **maintenance and development** initiatives, occasionally acting as a lead developer.
- Specialized in **JavaScript** engineering, with extensive experience in **React**, **Angular**, and frameworks like **Next.js**.
- Optimized backend architectures with **Node.js**, **Express.js**, and **AWS Lambda Functions**, creating scalable and serverless APIs.
- Proficient with **Docker** for containerization for local instances.
- Developed and integrated **RESTful** and **GraphQL APIs**, ensuring optimal performance and scalability.
- Skilled in **Sequelize ORM** for efficient database management and model handling.
- Implemented performance optimization strategies to improve **Core Web Vitals**, focusing on reducing **Largest Contentful Paint (LCP)**, **Cumulative Layout Shift (CLS)**, and **First Input Delay (FID)**. This resulted in faster load times, improved user experience, and higher SEO rankings.

Full-stack Developer
10/2019 - 11/2021

Print Project
Bogotá, COL

- Specialized in creating dynamic websites with a strong focus on **HTML**, **CSS**, and **JavaScript** (both **jQuery** and **Vanilla**).
- Developed custom backend solutions using **PHP**, creating robust and scalable systems.
- Designed and implemented **APIs** to enhance website functionality and integration, ensuring seamless data exchange and interaction with third-party services.
- Built custom **WordPress themes** and **high-code plugins**, delivering tailored solutions that leverage coding techniques for performance and scalability.
- Integrated **React components** directly into WordPress environments, enabling modern, interactive functionalities within traditional CMS platforms.
- Focused on optimizing website architecture and backend processes, ensuring fast load times and a responsive user experience.

Academic Tutor
06/2017 - 05/2021

Escuela Colombiana de Ingeniería Julio Garavito
Bogotá, COL

Academic tutor in different subjects such as Physics of Heat and Waves, Digital Electronic Systems, Analog Electronics and Microprocessors and interfaces.

EDUCATION

Biomedical Engineer
01/2020

Universidad del Rosario (Rosario University)

MY PORTFOLIO AND PROJECTS:

🌐 Take a look at my website
ingntovar.net

SUMMARY

Over five years of experience as an application programmer and software engineering. Specialized in full-stack development.

Engineering degree from Universidad del Rosario (Rosario University) with skills in development of digital applications.

LANGUAGES

English	Proficient	●●●●○
Spanish	Native	●●●●●
French	Advanced	●●●●○

SKILLS

Front-end development

Vanilla JS · HTML · CSS · SCSS · JQuery · TypeScript · React JS · Angular · Vue JS

Back-end development

PHP · NodeJs · ExpressJs · GraphQL · AWS Lambdas · MySQL · SSR · RESTful APIs.

CMS development

WordPress · Contentful · Strapi · Storyblok

STRENGTHS

💎 Problem solving, software organization, and creativity are my most outstanding strengths. Additionally, I excel at quickly adapting to new and unfamiliar technologies, learning fast, and applying new knowledge effectively.

PUBLICATIONS

BCI-Based Control for Ankle Exoskeleton T-FLEX: Comparison of Visual and Haptic Stimuli with Stroke Survivors

See article

Interfacing Humans and Robots for Gait Assistance and Rehabilitation

Co-author of the ninth chapter titled: Brain-Computer Interface for controlling Lower-Limb Exoskeletons. See the book!

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