Michael Fernando Torres Callejas

San Salvador, El Salvador | michaeltorresgi18@gmail.com | +50371403076 | *GitHub* | *LinkedIn*

Education

Software Engineering San Salvador, El Salvador

Francisco Gavidia University Graduation Date: 2025

C1+ English Proficiency Certificate San Salvador, El Salvador

American School of El Salvador January 2019 – June 2022

Work Experience

Yaya Technologies **San Salvador, El Salvador**

Full Stack Developer & Founding Engineer **October 2024 – April 2025**

- **End-to-end platform development and leadership:** Designed and built the entire system from the ground up, leading a team of 3 developers, covering all aspects of the SaaS and APIaaS product, from backend and frontend development to cloud operations.
- **Technology stack implementation:** Worked with TypeScript for both the frontend and backend, Node.js with Express for the core API, and Docker for containerization. I developed the frontend with React, Next.js, and TailwindCSS (hosted on Vercel) and deployed the backend to AWS using ECS, RDS with PostgreSQL, API Gateway, CodePipeline, S3, and integrated Redis for efficient caching.
- **Optimized deployment and scalability:** Established automated CI/CD pipelines and managed a secure and scalable cloud infrastructure focused on system performance and reliability, ensuring a smooth user experience.

Freelance Software Developer **Remote**

On Fiverr **August 2022 – Present**

Completed +23 freelance software projects across Latin America, USA, and Europe, primarily focusing on web platforms, mobile applications, and backend services (MERN/PERN stacks). Below are some of the most relevant and impactful projects:

- **Infrared Camera Monitoring System (*SENSIA Solutions*, Spain) – 6 months**
  - **Tech Stack**: TypeScript, Node.js, Express, PostgreSQL, React, Next.js, AWS (EC2, S3), Docker, Git.
  - Designed and led delivery of a real-time monitoring system for infrared cameras (performance analysis, network status and file storage). Improved operational visibility by 30% for client engineers.
- **Official Android App (Chilean National Sports Games 2023, Chile) – 4 months**
  - **Tech Stack**: Kotlin, Firebase, Ktor, Jetpack Compose.
  - Enabled 200+ administrators, coaches, and staff to manage schedules, track matches, and share news updates in real-time.
  - Reduced coordination errors and boosted internal communication efficiency.
- **Custom Landing Pages & Web Solutions – 3+ years**
  - **Tech Stack**: TypeScript, React, Next.js, TailwindCSS, PHP, Django, Docker, MySQL, PostgreSQL, MongoDB, AWS, Render, Vercel.
  - Deployed 15+ Websites, SEO-optimized landing pages for clients such as *TransBank* (Chile), *MetaBix BioTech* (Uruguay), and Leca Indumentaria (Argentina).

Francisco Gavidia University **San Salvador, El Salvador**

Full Stack Developer **July 2024 – December 2024**

- **Modernized** an 8-year-old legacy PHP system by redesigning critical components into RESTful APIs using Node.js with Express and TypeScript, and migrating outdated PHP/JavaScript views to React/Next.js. This transformation reduced technical debt and page load times by 40%.
- **Developed and integrated** a ChatGPT-powered chatbot that enables real-time book search and delivers personalized reading recommendations, significantly automating student support and enhancing user engagement.

- **Strengthened platform security** by integrating Cloudflare CDN to effectively mitigate scraping bots and malicious traffic, safeguarding critical book data and reducing overall server load by **42%**.

Emprende Hoy Foundation   **San Salvador, El Salvador**

Full Stack Developer   **January 2022 – October 2022**

- **Led development** and maintenance of a scalable ERP system using the MERN stack (MongoDB, Express, React, Node.js), integrated Python (Django) for specific backend processes, and implemented efficient RESTful APIs connecting a React frontend with microservices-oriented architecture.
- **Mentored a team of 6 junior developers**, significantly improving code quality, reducing bugs by **25%**, and ensuring timely delivery of critical accounting modules.
- **Designed robust system architecture** capable of handling a **3x increase** in transaction volume, integrating PostgreSQL databases with ORM solutions to optimize performance, ensure data consistency, and maintain high reliability under growing operational demands.

Honors & Awards

Finalist – Central American International Competitive Programming Contest (ICPC – ACM Regional Finals)

Key contributions: **December 2024**

- Represented **El Salvador** in the regional ICPC finals, competing against top programming teams across Central America and ranking among the best in the region.
- Demonstrated advanced problem-solving and coding skills in **Python and C++**, tackling high-pressure algorithmic challenges involving data structures, graph theory, dynamic programming, number theory, and computational geometry.

First Place – Innovation Competition (Arizona State University – UFG Regional Round)

**   San Salvador, El Salvador/ Tempe, Arizona (Remote)**

Key contributions: **November 2023 – June 2024**

- Awarded **1st place** among 14 local projects in El Salvador and **3rd place** internationally among 22 universities at Arizona State University for developing a solution aligned with the **UNESCO Sustainable Development Goals**.
- Designed and built a working prototype to convert **vehicular kinetic energy into electricity** using pressure-sensitive speed bumps, integrating mechanical, electrical, and software components—plus a real-time monitoring system using **Arduino (C++) and Python** to track energy generation and performance, featured in official university publications and local newspapers.

Skills & Interests

Technical Skills:

JavaScript/TypeScript (Node.js, Express, React, Next.js), Docker, AWS (ECS, Fargate, S3, Lambda, API Gateway, RDS, EC2, etc), Kotlin, Java, Git, PostgreSQL, MongoDB, Python (Django), RESTful APIs, WebSockets, GraphQL.

Languages:

Native Spanish; Fluent in English (C1+ Certified).

Interests: Machine Learning, Artificial Intelligence.

Personal Projects

I have several personal projects showcasing my skills in full stack development Mobile Development, and innovative solutions. For detailed insights, please visit my LinkedIn profile: [Michael Torres's LinkedIn](#).