

David Gavilanez

Team Lead & Senior Full-Stack / Mobile Developer

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🌐 LinkedIn 🐙 GitHub 🌐 Website

Professional Summary

Technical leader and full-stack developer with over 15 years of experience building high-impact digital products. I have led cross-functional teams and designed scalable architectures for web, mobile, and backend solutions across various industries, ensuring quality, performance, and maintainability. Recognised for defining engineering standards, improving delivery pipelines, mentoring developers, and managing secure cloud deployments on AWS. Passionate about clean architecture, automation, and fostering technical excellence within engineering teams.

Professional Experience

Full-Stack Developer & Technical Mentor — Sparken

Oct 2024 – Present

Guayaquil, Ecuador

- Building and maintaining multiple products within the Sparken ecosystem, including **MeCaso**, **PayFlow**, **Sweet-Dreams**, and **Sparken Landing**.
- Implemented microservices in Java Spring Boot with PostgreSQL, MongoDB, and Redis, introducing caching and efficient communication.
- Developed front-end applications using React, Next.js, and Vite with TypeScript, TailwindCSS, Redux Toolkit, and TanStack Query.
- For PayFlow, integrated a Python (Flask) backend with PostgreSQL and MongoDB for financial operations.
- Established CI/CD pipelines and quality gates using SonarQube, Cypress, Testing Library, and Jest across all projects.
- Designed and documented reusable UI components in Storybook, deployed via AWS.

Stack: Next.js, React, TailwindCSS, TypeScript, Redux Toolkit, TanStack Query, Java (Spring Boot), Python (Flask), PostgreSQL, MongoDB, Redis, AWS, SonarQube, Storybook

Tech Lead & DevOps Specialist — Bummock

Jan 2024 – Present

Guayaquil, Ecuador

- Defined the overall system architecture (frontend, backend, and mobile) following Clean Architecture and DDD principles.
- Delivered core components for the frontend (React + Vite + TypeScript + TailwindCSS + Atomic Design + Redux Toolkit + React Query), backend (NestJS + TypeScript + PostgreSQL + Hexagonal Architecture), and mobile (Flutter + Bloc + Cubit + Hive + Dio + GetIt + GoRouter + Freezed).
- Designed and deployed AWS cloud infrastructure using Terraform and CodePipeline.
- Led the development of **Inspector** (offline-first) and **Encryptor** (online) applications, optimising data synchronisation and app performance.
- Researched micro-service and micro-frontend implementations using NestJS, React, and Flutter.
- Collaborated closely with UX/UI to define flows and design system components.
- Implemented a complete testing environment with Cypress, Jest, and Testing Library, supported by SonarQube and Storybook.

Stack: React (Vite, TailwindCSS, Redux Toolkit, React Query), NestJS, Flutter (Bloc, Hive), PostgreSQL, AWS, Terraform, SonarQube, Storybook, Cypress, Jest

Team Lead & Full-Stack Developer — Lupio

Jun 2025 – Nov 2025

Guayaquil, Ecuador

- Leading the re-engineering of **Revo**, a mobility and logistics platform, migrating from its initial PHP and Flutter v1 stack to a modern React, NestJS, and Flutter v3 architecture.

- Defined the full-stack architecture (frontend, backend, and mobile) and implemented scalable patterns with CI/CD on AWS.
- Developed the new version using React, TypeScript, Redux Toolkit, TanStack, TailwindCSS, NestJS + PostgreSQL, and Flutter with Bloc, Hive, Dio.
- Integrated third-party services such as Sumsb for identity verification and Twilio for messaging and notifications.
- Improved system reliability by reducing connection errors and response times by more than 35%.

Stack: React (Vite, TypeScript, TailwindCSS, Redux Toolkit), NestJS, Flutter v3 (Bloc), PostgreSQL, AWS, Twilio, Sumsb, GraphQL

Full-Stack Developer — TheMadFox

Feb 2022 – Oct 2024

Colombia / Remote

- Contributed to projects including **Rayna**, **CTEC**, **Prosper**, **WiP**, **Robin House**, and **Echo Analytics**.
- Defined the company's front-end architecture using React (Vite + Atomic Design + Redux Toolkit + Storybook).
- Trained developers in React, Flutter, Next.js, AWS, Tailwind, TypeScript, Storybook, Cypress, and Jest.
- Established standards for CI/CD, testing, and modular front-end design.
- Collaborated on projects using React, Angular, Next.js, Python, and Strapi, ensuring consistency and scalability.

Stack: React (Vite, TailwindCSS, Redux Toolkit, Storybook), Next.js, Flutter, Angular, Python, Strapi, AWS, Jest, Cypress

Frontend Lead — Tipti S.A.

Oct 2019 – Jul 2020

Quito, Ecuador

- Led front-end development for Tipti's e-commerce and mobile platforms (**Tipti** and **Tipti Shopper**).
- Guided the technology transition from Ionic v1 / Angular v2 to Flutter and Next.js, later consolidating in Nuxt.js.
- Defined the architecture, UI/UX guidelines, and coding standards for the engineering team.
- Implemented CI/CD pipelines in AWS, improving performance and reducing production issues by over 40%.

Stack: Nuxt.js, Flutter, Next.js, TailwindCSS, AWS

Development Team Lead — Hitex Cía. Ltda.

Aug 2020 – Aug 2021

Quito, Ecuador

- Managed development teams delivering solutions with Next.js, Flutter, and Java.
- Designed UX/UI flows and prototypes for web and mobile applications.
- Introduced agile methodologies (Scrum) and implemented code review and QA processes.

Stack: Next.js, Flutter, Java, AWS, Docker

Frontend Developer & Mentor — AlquimiaSoft, GeoActio, SweetDreams, DMR360

2016 – 2023

Ecuador, Spain

- Developed modern, accessible interfaces with React, Angular, and Flutter.
- Trained teams in front-end best practices, testing, and agile development workflows.
- Designed user-centred experiences combining usability, functionality, and aesthetics.

Stack: React, Angular, Flutter, TailwindCSS, Figma, AWS

Education

Bachelor's in Animation Design and Digital Art (DAAD) — IGAD University (Ecuador)

Currently completing the final semester.

Certifications

Scrum Developer Certified (SDC)
Advanced Scrum Developer Certified (ASDC)
React Redux Toolkit Complete Guide (2023)
Domina React (2023)
React (Basic) — HackerRank
JavaScript: TDD and Unit Testing Essentials
Full certification list available at: [LinkedIn Certs](#)

Technical Skills

Languages: JavaScript, TypeScript, Dart, Swift, Python, Java
Frontend: React, Next.js, Nuxt.js, Redux Toolkit, TailwindCSS, GSAP, Astro
Mobile: Flutter, Bloc, Cubit, Hive, GetIt, Envied
Backend: NestJS, Node.js, Express, Spring Boot, Flask, PostgreSQL, MongoDB, Redis
Testing: Jest, Cypress, Testing Library, Flutter Test
DevOps: AWS, Docker, Terraform, CodePipeline, CI/CD, SonarQube
Architecture: Clean Architecture, DDD, Atomic Design, Monorepos, Micro-frontends

Languages

Spanish (native)
English (professional working proficiency)

Contributions & Mentorship

Technical content creator at [@DavichoDev](#) and mentor for developers.
Focused on performance, accessibility, and engineering excellence across all stages of development.

Projects & Links

 Twitch  Blog