

Aldo Matias

Software Developer (*Full-Stack*)

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Professional Profile

Full-stack software developer focused on designing and delivering scalable, secure, and high-performance web applications. Experience spans backend services and APIs (Node.js), front-end engineering (React), and production deployment on AWS with Docker and CI/CD. Strong ownership across the full lifecycle—from system design to monitoring and continuous improvement.

Professional Experience

IT-KEEPER

Remote, Dublin

Full-Stack Software Developer

April 2024 – Present

- Architected and implemented a microservices platform enabling real-time WhatsApp monitoring, automated message processing, and conversational analytics.
- Built services with Node.js (Express) and MongoDB; exposed REST endpoints and WebSocket channels with Socket.io for low-latency event streams.
- Designed React front end with 40+ reusable components, state management, and optimized session handling UI.
- Implemented application security: JWT rotation, input sanitization, rate limiting, and adherence to OWASP best practices.
- Containerized services with Docker and orchestrated local/CI environments via Docker Compose; added health checks and structured logging.
- Delivered real-time summaries (<500ms latency) for 30+ active sessions, saving key executives an estimated 5+ hours per week.

BBVA Bank

Mexico City, Mexico

Front-End Developer

March 2022 – March 2024

- Led development of an internal enterprise web application using JavaScript ES6, Lit-Element, HTML5, and CSS3 under CI/CD (Jenkins) and Git/Bitbucket workflows.
- Created a reusable component library that standardized UI and accelerated new feature delivery by an estimated 30%.
- Drove legacy-to-modern migration, resulting in a 40% improvement in application load times and a 50% reduction in related bug reports.
- Authored and maintained internal API documentation to streamline integration and onboarding for new developers.
- Mentored front-end engineers and coordinated priorities with backend, UX/UI, and product stakeholders.

AHEA University by Ectotec

Remote, Mexico

Front-End Developer

March 2021 – March 2022

- Co-built a new education platform using React 17 (Hooks), Redux, and React Router.
- Implemented a WebRTC + Amazon Chime video conferencing module, scaled to support 100+ concurrent users per session.
- Delivered a reusable component library to ensure consistency and speed across teams.

Oaxaca State Government Administration Office by iGenter

Remote, Mexico

Front-End Developer

March 2020 – March 2021

- Built a resource management dashboard with React 16, Redux, and SASS; integrated Material UI components for accessibility and consistency.
- Collaborated in Scrum with backend and design to deliver functional, testable interfaces.

Kristal Software House
Software Developer

- Mexico City, Mexico
September 2019 – March 2020
- Developed custom Epicor 10 ERP modules (C#, SQL Server) including stored procedures, triggers, and functions.
 - Monitored and debugged a Java 8 billing system integrated with SQL Server; managed roles and permissions.

Technical Expertise

Backend: Node.js (Express), REST APIs, WebSockets, MongoDB, SQL Server

Front-End: React, JavaScript ES6, Lit-Element, HTML5, CSS3, Redux, Material UI, SASS

DevOps: Docker, Docker Compose, CI/CD (Jenkins), Git (GitHub, Bitbucket, GitLab)

Security & Reliability: JWT auth/rotation, input sanitization, rate limiting, OWASP practices, logging/health checks

Cloud: AWS (EC2 and related services)

Other: WebRTC, Postman

Education

Instituto Tecnológico de Estudios Superiores de Ixtapaluca

B.S. in Computer Systems Engineering

Ixtapaluca, Mexico

Sep 2014 – Sep 2020

International House Dublin

English Language Studies

Dublin, Ireland

March 2024 - Sep 2025