

SERGIO EDUARDO JIMENEZ GONZALEZ



Principal Engineer | Staff Engineer |
Backend | Frontend |
Senior Fullstack Engineer

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Miami, FL

25 June, 1994

I'm a **Principal, Staff and Full Stack Engineer** with over a decade of experience designing, building, and scaling high-performance systems across fintech, SaaS, and blockchain. I specialize in **backend architecture** with **NestJS**, **GraphQL**, and **Phhttp://calendar.app.google/KZZh2HQkdEh9UDjg9ostgreSQL**, and lead **full-stack teams** delivering mobile and web products with **React Native** and **modern cloud infrastructures**.

My core strength lies in **end-to-end product engineering** — from system design and API development to CI/CD automation, observability, and infrastructure as code with **AWS** and **Terraform**. I'm passionate about creating **robust, maintainable, and cost-efficient architectures** that can evolve with product growth.

With a strong background in **distributed systems, performance optimization, and developer enablement**, I bring both technical depth and strategic vision to every project. I thrive in environments that value **innovation, autonomy, and impact**, and consistently bridge the gap between technical execution and business strategy to deliver scalable, user-centric solutions.

CORPORATE EXPERIENCE

Principal & Staff Engineer

OmmaCash

Jul 2024 – current

Guadalajara, Jalisco, México

As Principal and Staff engineer at OmmaCash, I've been responsible for designing and building the core systems behind a global money transfer platform that runs entirely through WhatsApp. From defining the initial architecture to shipping production-ready services, I've focused on building infrastructure that is secure, scalable, and user-first.

I architected and implemented the platform from the ground up, integrating traditional banking rails with blockchain technology to support real-time, low-cost transactions in both fiat and crypto. This included designing multi-layered transaction flows, building automation pipelines for onboarding and compliance, and engineering systems capable of handling high-volume financial operations with reliability.

On the engineering side, I established the technical culture, selected the core stack, and set up CI/CD, observability, and testing practices that enable rapid iteration while meeting regulatory and performance requirements. My work has spanned backend services, data modeling, and integrations with external providers—always with scale, cost efficiency, and fault tolerance in mind.

TOOLBOX

TECHNOLOGIES & TOOLS

Javascript

NodeJS

ExpressJS

NestJS

NextJS

React JS

React Native

Redux

MobX

Swift

Java

Kotlin

VueJS

GO

Angular

Typescript

DevOps

Docker

MySQL

MongoDB

PHP



Principal - Full Stack Engineer

Oral Genome

 Jun 2024 – Jun 2025

Carlsbad, CA, USA

As a FullStack Developer at Oral Genome, I am working on a project to modernize a mobile application that allows users to receive a test kit, collect a saliva sample, and capture a photo of the test result for AI-based health analysis. My main responsibilities include migrating the backend from Loopback to a microservice architecture in NestJS to improve scalability and performance, implementing CI/CD pipelines using Terraform and GitHub Actions for seamless deployments to AWS ECS, and optimizing the PostgreSQL database for better integration and performance. I have also integrated OIDC with Amazon Cognito for enhanced security and user authentication, added unit and end-to-end testing to ensure code quality, and made modifications to the frontend in Flutter to support new features and integrations. Additionally, I have collaborated with the team to resolve bugs and ensure a smooth user experience throughout the project.

Tech used: NestJS, Loopback, Flutter, Terraform, GitHub Actions, AWS ECS, PostgreSQL, OIDC, Cognito, Microservices Architecture.

Senior Mobile Engineer (React Native)

ParallelStaff/Nerdery/Purina

 March 2023 – April 2024

Guadalajara, Jalisco, Mexico

During my time as a React Native Mobile App Developer at Nerdery, I had the opportunity to work on a mobile application project for our client Purina. The project involved developing a rewards-based mobile application that focused on pet loyalty. The app allowed users to create a profile for their pets, receive personalized food recommendations, and earn rewards points by scanning purchase receipts which could be redeemed for Purina products. As a member of the development team, my responsibilities included: Collaborating with the project manager and the client to understand the business requirements and develop the application architecture. Developing new features and functionalities for the mobile app using React Native. Integrating the app with the Purina rewards system, allowing users to earn and redeem points seamlessly. Writing clean, efficient, and reusable code to ensure the app runs smoothly on both iOS and Android platforms. Testing the app to identify and resolve any issues that may arise during development. Participating in code reviews to ensure that the app adheres to best practices and coding standards. Also implemented from the scratch the accessibility for the app, creating some native components in iOS (SWIFT) and Android (Kotlin) to have a smooth accessibility with physical keyboards

Tech used: React Native, Typescript, MobX, API, Expo, AppStore, PlayStore, iOS Swift, Kotlin

Tech Lead/Sr Fullstack engineer

Rappi

 December 2021 – January 2023

Guadalajara, Jalisco, Mexico

In this time, I'm part of the catalog backend team for the CPGs (Customer Packages Goods) area, we are the source of truth for all the information about the products, I mean, the information is distributed in many microservices and we are in charge of sync all the information across all the teams-projects using queue systems like kafka and SQS, integration with elastic search, APIs developed in NodeJs/GO with unit/integration tests in mocha, documentation with Swagger, deploying with bots in Slack, checking the docker instances with signalFX and more tech tools, also we have a portal developed in React (using Redux) to interact with the catalog (retailers, products, inventory, and more). I'm coding new features on both sides (frontend/backend), doing code reviews and guides to other developers on how to implement their code following best practices, investigating and proposing solutions to current problems.

Laravel
Magento
HTML/CSS
Elastic Search
GraphQL
Redis
AWS
Firebase
Google Cloud
API
JIRA
Linux
Kafka
SQS



HIGHLIGHTS

ETHGlobal Brussels Winner 1st Place Ethereum Blockchain Hackathon

 July, 2024
Brussels, BEL

ETHDenver - Winner 1st Place Ethereum Blockchain Hackathon

 February, 2024
Denver, USA

ETH5deMayo - Winner 1st Place Ethereum Blockchain Hackathon

 February, 2024
Puebla, Mexico

POWER/SOFT SKILLS

- Problem Solving
- Assertiveness
- Creativity
- Critical Thinking
- Teamwork
- Public Speaking
- Time Management

LANGUAGES

Spanish
English

Native
Advanced

EDUCATION

Software Developer Engineer

CETI Colomos

Tech used: GOLang, Javascript, NodeJS, Express, React, Redux, Sass, Webpack, Gulp, Estlint, HTML5, Ubuntu, MySQL, Postgres, Mongo, Elastic Search, Kafka, SQS, Docker, Jenkins, CI/CD Pipelines, Swagger, Redis, SignalFX, Redash, Grafana

 Aug 2014 – Aug 2018
Guadalajara, Jalisco, Mexico

IT & Computer Technologist

CETI Colomos

 Aug 2009 – Aug 2014
Guadalajara, Jalisco, Mexico

Mobile Tech Lead (React Native)

Luxoft/ArgoDesign/Pepper

 September 2021 – December 2021

Guadalajara, Jalisco, Mexico

As a Technical Lead, I led a team of developers in developing a component library of reusable components in React Native for our client Pepper. The components were designed to work with various brands of IoT devices, including smart bulbs, smart plugs, cameras, lights, pet feeders, and more.

My responsibilities included: Collaborating with the project manager and the client to understand the business requirements and develop the component library architecture. Mentoring senior engineers on the team to help them develop their skills and improve their performance. Conducting proof-of-concept testing to explore different ideas and approaches for the component library. Ensuring the quality of the codebase by performing code reviews, setting coding standards, and establishing best practices for the development team to follow. Integrating the components with third-party APIs to communicate with the devices. Testing the components to identify and resolve any issues that may arise during development. Documenting the components and creating usage guides to help other developers work with the library. Leading client-facing conferences to present the progress and deliverables to the client. Integrating the components with the APIs of the different IoT devices for seamless communication.

Throughout the project. Also created native components in iOS (Swift) and Android (Kotlin) to have more performance and better integration with the native SDKs for each IoT provider

Tech used: React Native, Typescript, MobX, API, Expo, AppStore, PlayStore, React Native Testing Library, iOS Swift, Kotlin

Mobile Senior Engineer

Rappi

 May 2021 – September 2021

Guadalajara, Jalisco, Mexico

I entered into a new project in Rappi called “Turbo” that ensures your order will be in your address in 10 minutes max. There I was in charge of the “Picker App” - Mobile Application where the people in the warehouses receive the orders. When I arrived, the app was already in production but needs a lot of refactor and re-architecture because was crashing many times, I worked in the frontend side using React Native for the mobile app and React for the dashboard, I was the only frontend engineer for a very short time, then the company hired new team members. In the normal days we had to stop fires from production and some others just continued adding new features.

Tech used: Javascript, React Native, React, Redux, Sass, Webpack, Gulp, Estlint, HTML5, Google Cloud, Firebase, Expo, Jenkins

Senior Fullstack Software Engineer

AgileThought

 January 2020 – May 2021

Guadalajara, Jalisco, Mexico

This is a consultancy IT company where I have several assigned Javascript frontend/backend projects, each project is for different companies with different kind of business, the stacks that I worked there was MERN and MEAN, some projects only frontend, some others only backend and a few full stack by my own, new functions are carried out on each project and at the same time the code structure is being improved, I have intervened to provide STACK solutions for new projects, that is, to carry out the work of a Software Architect, we are also implementing a new methodology for deploying to different environments (TEST, QA and Production) using CI/CD

Tech used: Javascript, React, Redux, Sass, Webpack, Gulp, Estlint, HTML5, Vue, NodeJS, Express, NestJS, Ubuntu/Centos, MySQL, Typescript, React Native, Redux, Jenkins, AWS, Google Cloud

Senior Fullstack Software Engineer

NetProtect



January 2019 - January 2020

Guadalajara, Jalisco, Mexico

The company has a VPN White-label service where the clients could sell their VPN as a reseller, I was working in the reseller dashboard features, working in the UI/UX using React and also creating the endpoints (NodeJS/Express) to be consumed, I did changes in their current billing system including many features that the customers want such as automatic cron billing, integrations with ChargeHound (Automatic charge dispute solved) and also rewrite and improve their current system, write unit test with excellent code coverage. All the system was mounted in a docker container work with international teams. Also I've been creating RESTful APIs using NodeJS/ExpressJS from our side implementing the best authentication methods such as OAuth, JWT, ADFS, and others. We have working with a SCRUM methodology and doing a team retrospective. I've made changes to their current billing system, including many features that customers want, like cron automatic billing, integrations with ChargeHound (resolved automatic upload dispute).

Tech used: Javascript, React, Redux, Sass, Webpack, Gulp, ESLint, HTML5, NodeJS, Express, Ubuntu/Centos, MySQL, PostgreSQL, Typescript, AWS, Elastic Search, Redis

Senior Software Engineer E-Commerce

Panamerik E-Commerce Experts



August 2015 - December 2018

Guadalajara, Jalisco, Mexico

I did many modules for the framework Magento 2 that is a fork from ZEND 2 oriented only and exclusive to E-Commerce. I created Modules such as Payment methods (PayPal, Conekta, Mercado Pago, Stripe), shipping carriers (DHL, FedEx, UPS) and ERPs (Microsoft Dynamics and BIND) through their SOAP and RESTful API from PHP and NodeJS and using authentication methods OAuth and JWT. Also, multiple suitable functionalities requested by the client, analyzing their needs and transforming to software solution. I needed to adapt to the framework structure to create new modules with their configuration panels to the customer, using crons, observers, events, triggers, subscriptions, etc. I had to create many environments in Linux from the scratch to this platform. Installing all the modules and configuring the database server. I was a project leader and developer from 3 international projects from the scratch to launch to Alcatel, BlackBerry and TCL that were launched in USA, Canada and Latin America.

Tech used: Javascript, KnockoutJS, NodeJS, React, Redux, Sass, Webpack, Gulp, ESLint, HTML5, ExpressJS, Ubuntu/Centos, MySQL, AWS, PHP, Magento 2, Firebase, AWS

Freelancer

The IIDEA Company



February 2015 - May 2015

Guadalajara, Jalisco, Mexico

internal desktop project, the purpose of which was to measure the productivity or KPIs of the employees of all the branches. The system consisted of registering the employee and adding daily productivity. Later the system would obtain monthly or annual reports. The technologies used were .NET Visual Basic, Business Intelligent as a reporter, SQL Server.

Tech used: .NET, SQL Server

Developer JR PHP AND .NET

Solución Factible Consultores



June 2014 - August 2014

Guadalajara, Jalisco, Mexico

Implementation of asp.net web system performance improvements an external project for the eSecuritel company. Their system is launched in Canada, the United States, Malaysia, Japan and Mexico, and improvements I implemented them in all instances of the system. also had direct dealings with USA employees to provide solutions and updates of your ERP system.

Tech used: .NET, SQL Server