

Ronald Terceros

FULL-STACK ENGINEER | TYPESCRIPT · REACT / NEXT.JS · NODE.JS / NESTJS · POSTGRESQL

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SUMMARY

Full-Stack Engineer with 6+ years of experience building and maintaining web applications using TypeScript, React, Next.js, NestJS, PostgreSQL, Docker, and AWS. Experienced in delivering end-to-end product features, integrating third-party services such as Stripe, Shopee, Google Maps, and OCR solutions, and operating applications in production environments. Strong focus on clean architecture, maintainable code, automation, and solving real business problems through reliable software solutions.

TECHNICAL SKILLS

Backend: TypeScript, Node JS, NestJS, PostgreSQL, Prisma, REST APIs, GraphQL.

Cloud & DevOps: Docker, AWS (EC2, RDS, S3), GitHub Actions, CI/CD, VPS.

Frontend: React, Next.js, Zustand, React Query, MUI, Ant Design.

Tools & Others: Git, Linux, Tools, Claude CLI.

PROFESSIONAL EXPERIENCE

Bolivian Devs | Full-Stack Developer

Bolivia (Remote) · Feb 2024 – Present

TsunaGo · Mobile-first web platform for assisted-transport taxi matching (JP Client)

- Developed the backend using NestJS, TypeScript, and PostgreSQL, delivering a secure web platform with JWT authentication and role-based access control for drivers, passengers, and administrators.
- Built a reliable payment processing workflow with Stripe, including webhook handling, automated retry mechanisms, and safeguards to ensure transaction consistency.
- Implemented background automation for ride lifecycle management, compliance reminders, and notifications, while integrating AWS services and Google Maps APIs to support core platform functionality.
- Applied software engineering best practices including input validation, security controls, structured logging, and automated testing to improve reliability and maintainability.
- Established CI/CD pipelines with GitHub Actions and managed containerized deployments on AWS infrastructure using Docker and Traefik.
- Developed a mobile-first client application with React Native and Expo, delivering role-based user experiences, payment flows, and a scalable foundation for future iOS and Android releases.

Makevi · SaaS for Shopee seller management (JP Client)

- Co-developed a multi-tenant SaaS platform using NestJS, TypeScript, PostgreSQL, and Prisma, contributing to backend architecture, business logic, authentication, and access control features.
- Integrated key business services including Stripe subscriptions, Shopee marketplace synchronization, and AWS cloud services to support billing, e-commerce operations, and customer communications.
- Built and maintained background processing workflows for data synchronization, billing automation, and operational tasks, improving reliability across external integrations.
- Applied production-ready engineering practices including security controls, input validation, structured logging, API documentation, health monitoring, and automated testing.
- Containerized with a multi-stage Dockerfile and shipped via GitHub Actions to AWS ECR/ECS.
- Collaborated on the frontend using Next.js and React, delivering user-facing features and integrations within a modern web application architecture.

Additional projects:

- RING (JP Client)**: restaurant operations platform. Full-stack work (NestJS + Prisma + React) across backend APIs and frontend features.
- Joint (JP Client)**: enterprise integration platform (iPaaS). Authored OpenAPI specifications to onboard services into an existing adapter-generation pipeline.

Jalasoftware | Full-Stack Developer

Bolivia (Remote, in-site) · 2020 – 2024

Cosmic Latte · Survey and evaluation platform (BO client)

- Developed backend services and API endpoints using Node.js and MongoDB, supporting survey processing and data analysis workflows.
- Built a Python-based sentiment analysis service that processed open-ended survey responses using a pre-trained machine learning model.
- Contributed to the platform's messaging infrastructure by implementing asynchronous processing with RabbitMQ, improving the reliability and scalability of email and notification delivery.
- Developed webhook capabilities that enabled client systems to receive event-driven updates through configurable integrations.
- Supported application deployment and operations using Docker, Kubernetes, and GitLab CI/CD pipelines across staging and production environments.
- Created automated API integration tests to improve software quality and reduce regressions during releases.
- Built frontend features with React and Meteor, including real-time dashboards, data visualizations, and survey management interfaces.

Smart Building Utility Management (US Client) · Outsourcing

- Built React + TypeScript frontend (GraphQL, MUI, Redux) for a building data tracking application. Contributed to NestJS and Firestore backend implementation.

INDEPENDENT / FREELANCE

Multi-Tenant ERP/POS for Restaurants

Independent Side Project · 2026

- Designed and developed a multi-tenant ERP/POS platform for restaurants, implementing tenant isolation, RLS, role-based access control, and secure authentication across multiple business locations.
- Built a modular architecture that allows businesses to enable industry-specific capabilities such as point of sale, inventory management, cash operations, recipes, and kitchen workflows from a shared platform (restaurant-specific capabilities already deployed and additional verticals planned.).
- Applied domain-driven design principles to keep business logic maintainable and support the evolution of independent product modules.
- Developed a cross-platform POS application with React, delivering optimized experiences for desktop and touch-based devices from a shared codebase.
- Managed the complete delivery lifecycle, including application architecture, development, deployment, CI/CD automation, and infrastructure operations using Docker and cloud-hosted environments.
- Successfully deployed the platform to production and onboarded restaurant customers, validating the product in real business operations.
- Leveraged AI-assisted development tools under direct supervision to accelerate implementation, testing, and product delivery across the full stack.

Textile Manufacturing ERP

freelance Side Project · 2025 (finished)

- Designed and implemented a textile manufacturing ERP, modeling products, variants, production attributes, pricing structures, and order workflows to support the client's operational processes.
- Reduced manual order-entry effort by approximately 85% by implementing an AI-powered OCR workflow that converts garment specification images into structured production orders.
- Developed the backend using NestJS, TypeScript, PostgreSQL, and Prisma, delivering secure authentication, role-based access control, and business workflows across multiple domain areas.
- Built a modern React-based frontend that streamlined order management, image handling, client communication, and document generation within the client's existing workflow.
- Delivered the solution from architecture and implementation through deployment and client adoption, helping digitize previously manual manufacturing processes.

EDUCATION

Jala Foundation Research & Development Program

Jala Foundation

Intensive software engineering training combined with hands-on development in a production software project.
2019

Commercial Software Development Training Program

Jala Foundation

Intensive training in commercial software development and engineering best practices.
2018

Higher Technical Degree in Computer Systems

CEFTE Institute, Bolivia

3-year post-secondary technical program
2015 - 2017

LANGUAGES

English

Professional working proficiency

Spanish

Native speaker