

TEUDY JOSHUA ENCARNACIÓN

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Full Stack Software Engineer

SUMMARY

Full Stack Software Engineer with proven experience building scalable systems in production fintech and SaaS environments. Specialized in backend engineering, API design, and distributed architectures using **C#**, **.NET**, **FastAPI**, **Node.js** and **NestJS**. Experienced in microservices architecture, relational database design and optimization (**SQL Server**, **PostgreSQL**), deployment automation, and CI/CD. Able to thrive in Agile/Scrum environments delivering robust, secure, and scalable systems.

TECHNICAL SKILLS

Backend: C#, ASP.NET Core, .NET 8/9, Java, Node.js, NestJS, Python (FastAPI), REST APIs, Microservices, Redis, Kafka, JWT, OAuth2

Databases: SQL Server, PostgreSQL, Transact-SQL, Stored Procedures, Indexing, Query Optimization, Database Design

Frontend: React, Next.js, TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS

DevOps: Docker, GitHub Actions, CI/CD, Linux (Ubuntu), Shell Scripting, AWS (EC2, S3)

Testing: Unit testing, Integration testing, xUnit

Architecture: Microservices, Clean Architecture, SOLID, CQRS, Event-driven systems, Agile/Scrum

WORK EXPERIENCE

Full Stack Developer

Media Revolution SRL

August 2025 – Present

Santo Domingo, Dominican Republic

- Participated in the full software development lifecycle (SDLC): analysis, design, development, testing, deployment, and support of production fintech and SaaS systems.
- Developed payment APIs in **FastAPI** integrating multiple providers, implementing idempotency and advanced error handling, reducing transaction failures by **25 %**.
- Built a multi-tenant SaaS platform (**Zentro**), enabling the creation of customized agencies per client with isolated per-tenant configuration.
- Implemented CI/CD pipelines with **GitHub Actions**, reducing deployment times from days to under **5 minutes**.
- Automated infrastructure on Linux (Ubuntu) servers through shell scripts and production service administration.
- Integrated fintech systems including cryptocurrency wallets and KYC services for identity verification and regulatory compliance.

EDUCATION

Instituto Tecnológico de Las Américas (ITLA)

Associate Degree in Software Development

Santo Domingo, Dominican Republic

April 2026

- Capstone project: **SkillMind** — microservices-based educational platform with scalable architecture and focus on content streaming.
- Relevant coursework: Data Structures, Algorithms, Systems Architecture, Database Design, Object-Oriented Programming.

PROJECTS

HermesBank | C#, ASP.NET Core, SQL Server, xUnit, Blazor

- Secure banking API with over 12 endpoints, JWT authentication, and role-based access control (RBAC).
- **85 %** test coverage with xUnit, improving system stability and reducing production errors.
- Normalized relational database with business logic implemented through stored procedures and triggers.
- Complete system documentation: architecture, entity-relationship models, and API specifications.

Poker Backend Engine | Java, Spring Boot, Redis, WebSockets, PostgreSQL

- Real-time backend for a multiplayer poker game with full match management and game logic.
- Redis for low-latency in-memory state management and session synchronization across clients.
- WebSockets for real-time communication eliminating the need for polling.
- Optimized PostgreSQL for match history, statistics, and rankings system.

SkillMind | *.NET, NestJS, Next.js, PostgreSQL, Kafka, Docker* | Team Lead

- Led a team of 10 developers under Agile methodology, achieving **90 %** of sprints delivered on time.
- Microservices architecture with 4 independent services achieving **99.9 %** uptime.
- Implemented CI/CD and automated deployment with Docker and GitHub Actions.
- Linux infrastructure management and production deployment automation.

LANGUAGES

Spanish: Native • **English:** Professional proficiency (reading, writing, and technical communication)