

# ESTUARDO ANDRÉS ESQUIVEL DÍAZ

## Senior Backend Engineer

### CONTACT

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### PROFESSIONAL SUMMARY

Senior Backend Engineer with 7+ years of experience designing scalable SaaS platforms, distributed systems, and cloud-native applications using NodeJS(NestJS), Python, PHP, AWS, Domain-Driven Design (DDD), CQRS, and Hexagonal Architecture.

Experienced in technical leadership, multi-tenant architectures, microservices, event-driven systems, and third-party integrations across healthcare, logistics, fintech, e-commerce, and enterprise software domains.

### TECHNICAL SKILLS

- **Backend:** Node.js, NestJS, PHP, Laravel, Python, FastAPI, JavaScript, Typescript
- **Frontend:** Angular, React, Ionic, React Native
- **Databases:** PostgreSQL, MongoDB, MySQL, Redis
- **Architecture:** DDD, CQRS, Hexagonal Architecture, Event-Driven Architecture, Multi-Tenant SaaS, Microservices
- **Messaging:** NATS, RabbitMQ, Kafka, MQTT, gRPC
- **Cloud & DevOps:** AWS (EC2, S3, Lambda, API Gateway, CloudFront, DynamoDB), SQS, EventBridge, Docker, Kubernetes
- **AI-Assisted Development:** Cursor, Claude Code, Codex

### PROFESSIONAL EXPERIENCE

#### Senior Backend Engineer | Wost (Feb 2025 – Jan 2026, Project-Based)

- Architected and implemented a multi-tenant SaaS platform using Hexagonal Architecture, CQRS, and Domain-Driven Design (DDD), supporting more than 20 business domains.
- Established a Specification-Driven Development (SDD) workflow, transforming business requirements into technical specifications, domain models, API contracts, and implementation guides.
- Introduced an event-driven architecture that reduced service coupling and enabled scalable asynchronous communication across modules.
- Led the development of a reusable NestJS backend framework including multi-tenancy, CQRS, authentication, authorization, auditing, caching, and migration orchestration.
- Built and operated cloud-native services using Docker and AWS, improving deployment consistency and operational reliability.
- Implemented RBAC, auditing, compliance controls, and tenant isolation mechanisms to strengthen platform security and governance.

## **Key Achievements**

- Architected a platform composed of 20+ business modules using a unified Hexagonal + CQRS architecture.
- Accelerated delivery across 20+ business modules through reusable architectural patterns and Specification-Driven Development practices.
- Created a scalable multi-tenant foundation supporting multiple organizations with isolated data and configurable business rules.

## **Backend Developer SR | Mentor Backend Developer - Tres Astronautas (March 2021 - January 2026)**

- Guided and mentored backend developers across multiple concurrent projects, ensuring code quality, scalability, and delivery standards.
- Architected scalable backend solutions for multi-tenant SaaS applications using NestJS, PostgreSQL, MongoDB, and Firebase.
- Delivered microservices supporting business-critical workflows and integrated more than 10 third-party platforms, including payment gateways, logistics providers, and ERP systems.
- Managed relational and NoSQL databases while implementing automated testing strategies using Jest to improve reliability and reduce production issues.
- Oversaw CI/CD pipelines and cloud infrastructure across AWS and Google Cloud environments.

## **Key Achievements**

- Led a team of 5 backend developers, improving collaboration, code quality, and overall productivity.
- Established Hexagonal Architecture standards and a reusable integration library, reducing backend MVP development time by 30%.

## **Full Stack Engineer | Think In (February 2019 - December 2023, Project-Based)**

- Built distributed microservices using NestJS and NATS to support scalable business systems.
- Developed and maintained REST and GraphQL APIs using NestJS and Laravel for multiple client projects.
- Created web and mobile applications using Angular, Vue.js, and Ionic Framework.
- Integrated payment gateways, social media APIs, and IoT solutions using MQTT and Arduino.
- Deployed and maintained applications on Google Cloud, Kubernetes, and DigitalOcean.

## **Key Achievements**

- Launched 5 hybrid mobile applications into production environments.
- Improved application performance by 40% through backend, frontend, and database optimizations.
- Reduced operational costs by 15% through IoT-driven process automation.

## **EDUCATION**

- Bachelor of Computer Science - National University of Trujillo (2017)