
EDINSON NUÑEZ MORE

Software engineer

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ABOUT ME

Senior Software Engineer – Frontend & AI Systems

Software engineer with 14+ years of experience building scalable web/mobile applications and AI-driven systems. I design end-to-end solutions that combine React/Next.js frontends, NestJS backends, vector databases, and LLM-powered agents.

I have hands-on experience building RAG prototypes (ChromaDB, Postgres-based vectors) and implementing agentic workflows using OpenAI “chat with tools”, where backend services interpret user intent, call external APIs (weather, geolocation, music, business services), query databases, and return structured JSON schemas that drive dynamic UI behavior on the frontend.

I enjoy designing secure, auditable flows and aligning AI agents with real business logic.

EDUCATION

Higher Education - *Universidad Nacional de Piura*

2001 - 2006

.Faculty of Industrial Engineering - Computer Engineering.

Secondary Education - *Colegio Nacional San Miguel de Piura*

1996 - 2000

Primary Education - *C.E.P José Safarik*

1990 - 1995

LANGUAGES

Spanish - *Native*

English - *Intermediate B2*

COURSES GIVEN

Workshop on "The Use of AI in Software Development" - Speaker at the National University of Piura
May 28-29, 2025

AI for Developers - National University of Piura
January 24, 2025

Creating 3D Experiences with ThreeJS and React Three Fiber - BBVA Continental
15 Octubre 2024

Creating 3D Experiences with Three.js and React Three Fiber - BBVA Continental
15 Octubre 2024

Good Practice for Software Development - *Pacífico Seguros*
May, July 2022

Microfrontend - *Pacífico Seguros*
March 2021

Doing TDD in the real world - *Pacífico Seguros*
September 2020

Clean Code - *Pacífico Seguros*
July 2020

Web performance - *Pacífico Seguros*
NOVEMBER 2019

Flutter- *Pacífico Seguros*
SEPTEMBER 2019

React JS - *Belatrix Software*
NOVEMBER 2018, JANUARY 2019, AND AUGUST 2019
Web and Mobile Applications Development with React JS

Mobile Applications Development - *Pacífico Seguros*
OCTOBER 2018
Alternatives and Success Cases in the Use of Technologies for Mobile Applications Development

DIPLOMAS, COURSES, AND WORKSHOPS

Kaplan International - *Bournemouth, The U.K,*

05 FEBRAURY- 01 APRIL 2023

English course (Intermediate B1)

Agile Scaling - *Lima, Peru*

04 DECEMBER- 11 DECEMBER 2021

M'erickson

Node JS Conference - *Lima, Peru*

MAY 2015 y NOVEMBER 2016

ExcelSoftSources.

Google for Business & Developer Festival Lima 2013 - *Lima, Peru*

DECEMBER 2013

Universidad San Martin de Porres

Planning and Estimation Course - *Lima, Peru*

JUNE 2013

Everis Perú

Workshop Coding Dojo - COM Agile Metodología - *Lima, Peru*

FEBRUARY 2013

Everis Perú

Diploma in Project Management based on PMI - *Piura, Peru*

FEBRUARY 2012 - JULY 2012

Universidad de Piura

Java Spring Framework course- *Piura*

FEBRUARY 2012 - MARCH 2012

Universidad de Piura

Diploma in Systems Auditing and Information Security - *Piura*

OCTOBER 2011 - FEBRUARY 2012

Universidad Nacional de Piura

AI Projects – Agentic Workflows & RAG

NeoKids – Educational AI Assistant (2024–2025)

Stack: NestJS, OpenAI Tools, Postgres, Supabase, TypeScript

- Developed an AI-driven educational assistant that interprets user intent through natural language and orchestrates actions using OpenAI “chat with tools”.
- Integrated tools for weather queries, Spotify playback, geolocation, calendar checks, and database lookups, enabling the agent to trigger cascaded workflows in real time.
- Implemented a secure orchestration layer where the assistant retrieves data, validates conditions, and returns structured JSON schemas that instruct the frontend which UI components to render.
- Ensured alignment between AI reasoning and business rules by designing clear separation between agent decisions, external API calls, and final user-facing actions.

NeoSense – Natural Language Interface with SQL Verification & Agentic LangGraph Workflow (2024–2025)

Stack: React, NestJS, LangGraph, LangChain, PostgreSQL, ChromaDB, Embeddings, TypeScript

- Uses LangGraph to orchestrate an agentic workflow that interprets user intent, generates SQL queries, and validates them step-by-step before execution.
- Analyzes database schemas and converts them into a simplified internal representation to support more accurate SQL generation and reasoning.
- Enriches the workflow with business-domain context, enabling more relevant and precise responses aligned with real operations.
- Integrates RAG (ChromaDB / pgvector) and LangChain tools to combine semantic retrieval with structured database queries.
- Applies prompt engineering patterns to ensure consistent, safe, and schema-aware output.
- Determines the most suitable UI representation (tables, cards, graphs, detail views) by returning structured JSON directives that guide the frontend dynamically.
- Added guardrails to prevent unsafe queries (e.g., DELETE, UPDATE, schema violations) and ensure zero-trust execution: every decision is logged, evaluated, and approved by the workflow before reaching the database.
- Result: NeoSense behaves like an intelligent data analyst that transforms natural language into safe, auditable, fully validated data queries.

EMPLOYMENT HISTORY

Tekton Labs, Perú - *External Senior Frontend Software Consultant*

June 2023 - **Currently**

ANGULAR 16, D3.JS, HIGHTCHARTS

Devon Dashboard: Web project for a U.S. client (Devon Energy), Oklahoma

Personal Project: Zypher - *Creator and Lead Developer*

January 2025 - March 2025

Flutter, Firebase, Supabase, Node.js, GPT-4 API

- Designed and developed a mobile app for students and teachers to manage academic activities, including task registration, attendance tracking, automatic reminders, and AI-powered intelligent report generation.

Minedu, Perú - *External Senior Frontend Software Consultant*

November 2024

React 18, AWS Bedrock, LangChain

- AI Chatbot: Creation of a chatbot using generative AI to provide information about the Siagie system.

Ridivi, Costa Rica - *External Senior Frontend Software Consultant*

August 2024 - May 2025

React 18, Typescript, PHP, Java, Spring Boot

- Ridivi Admin Dashboard
- Verifier

Novatronic, Lima - *Software consultant*

May 2023

ANGULAR 15, ANGULAR MATERIAL, ANGULAR QUERY

- Web Admin SIX/EFT Switch

Hatun, Lima - *Software consultant*

April 2023 - Mayo 2023

FLUTTER, FIREBASE

- Mobile application for “Hatun” using Flutter

Minedu, Lima - *Technical Lead*

MARCH 2020 - DECEMBER 2022

JAVASCRIPT, GATSBY, REACT, TYPESCRIPT, NEST JS, RXJS, CLEAN ARCHITECTURE, Flutter

- Web “Aprendo en Casa”

Pacífico Seguros, Lima - *Chapter Lead*

JULY 2021 - SEPTEMBER 2022

SCRUM, GATSBY, REACT, TYPESCRIPT, VITEJS, FLUTTER, B2B, AZURE, AWS, FIREBASE, LIFERAY, JAVASCRIPT, WEB COMPONENTS, RXJS, CLEAN ARCHITECTURE

- Coordination with Suppliers - Pacífico Seguro.
- Definition of Guidelines for Web and Mobile Technologies - Pacífico Seguro.
- Chapter Management and Handling - Pacífico Seguro.
- Biometric Security and Authentication in Mobile Devices - Pacífico Seguro.
- High-Performance Web Applications for E-commerce - Pacífico Seguro.
- Definition and Implementation of Clean Architecture for Web and mobile applications- Pacífico Seguro.

Pacífico Seguros, Lima - *Tech Lead*

JUNE 2020 - JULY 2021

SCRUM, GATSBY, REACT, TYPESCRIPT, VITEJS, FLUTTER, B2B, AZURE, AWS, FIREBASE, JAVASCRIPT, WEB COMPONENTS, RXJS, CLEAN ARCHITECTURE

- Guidelines Liferay - Pacífico Seguro.
- Guidelines Web - Pacífico Seguro.
- Guidelines Mobile - Pacífico Seguro.
- Biometric Security and Authentication on Mobile Devices - Pacífico Seguro.

Belatrix Software, Lima - *SME Front-End Developer(Architect Front-End Developer)*

FEBRUARY 2018 - MAY 2020

SCRUM, REDUX, REACT, TYPESCRIPT, ANGULAR 7+, AWS, FIREBASE, LIFERAY, JAVASCRIPT, WEB COMPONENTS, RXJS, NODE JS

- WebApp Pymes - Pacífico Seguros.
- Inspection ChatBot for Vehicles - Pacífico Seguro.
- E-Commerce Vida - Pacífico Seguro.
- E-Commerce Autos - Pacífico Seguro.
- E-Commerce Viajes - Pacífico Seguro.
- Mi espacio Pacífico Mobile - Pacífico Seguro.
- Integration with Azure B2C con TouchId y FaceId - Pacífico Seguro.

Belatrix Software, Lima - *Senior Front-End Developer*

JUNE 2017 - JANUARY 2018

SCRUM, REDUX, REACT, TYPESCRIPT, AWS, FIREBASE, LIFERAY, JAVASCRIPT, WEB COMPONENTS, RXJS

- WebApp Reembolsos Online - Pacífico Seguro.

Freelance, Lima - *Freelance Senior Developer*

APRIL 2017 - MAY 2017

NODE JS, ANGULAR 4, HTML, TYPESCRIPT, CSS

- Portal Web "Observatorio de Cuencas" - Chancay-Lambayeque, Arequipa, Piura.

ExcelSoftSources, Lima - *Senior Software Developer*

MAY 2015 - JANUARY 2017

FLUX, REDUX, REACT, TYPESCRIPT, ANGULAR, AWS, FIREBASE, NODE JS, EXPRESS JS, MONGOOSE

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- E-commerce Videocheckout para Facebook - Total- Apps, EE.UUU,

Jagermeister, Lima - *Freelance Senior Developer*

JULY 2014 - SEPTEMBER 2014

- Aplicación Android Jagermeister - Mexico.

Chateuonline, Lima - *Freelance Web Developer*

MARCH 2014

VB.NET

- WebApp venta de Vinos - Francia.

Tiam-V. SAC, Lima - *Web Developer*

FEBRUARY 2014

ANGULAR, HTML, JAVASCRIPT, NODE JS

- Portal "Premio Nacional a la calidad" - Francia.

Everis, Lima - *Solution Analyst*

MARCH 2013 - DECEMBER 2013

- Transactional leasing system. - BBVA.

Everis, Lima - *Solution Assistant*

NOVEMBER 2012 - FEBRUARY 2013

- Análisis, evolución y mantenimiento del Sistemas de Contratos - Repsol, Perú.

CMAC-Paita, Piura - *Developer*

JUNE 2012 - AGOST 2013

- Administración e Implementación de ERP - CMAC-Paita.

JUMBP, Piura - *Net Developer*

NOVEMBER 2011 - FEBRUARY 2012

- Sistema Desktop para la Gestión y Manejo del Agua - Junta Medio y Bajo Piura.

Nippon Koei, Lima - *Web Developer*

FEBRUARY 2011 - OCTOBER 2011

- Análisis y Desarrollo del sistema de monitoreo de actividades e indicadores.

Avendaño Clinica de Noche, Lima - *Web Developer*

JULY 2011 - NOVEMBER 2011

- Desarrollo del sistema de consultas médicas.

Nippon Koei, Lima - *Web Developer*

AGOST 2010 - APRIL 2011

- Desarrollo del Sistema de monitoreo y seguimiento de actividades.

Gobierno Regional de Piura, Piura - *Web Developer*

MARCH 2010 - JULIO 2010

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- Desarrollo del Portal Web “Geoportal Catamayo Chira”.

Programa Subsectorial de Irrigaciones, Lima - *Net Developer*

AGOST 2008 - FEBRUARY 2010

- Desarrollo de la aplicación de escritorio “Sistema de Riego”

SKILLS

AI Engineering – Agents, Tools, and RAG

- OpenAI “chat with tools” for multi-step agentic workflows
- LangChain (RAG pipelines, tools, retrieval chains)
- RAG: document ingestion → chunking → embeddings → retrieval (ChromaDB, pgvector/Postgres)
- Prompt engineering for structured outputs (JSON-based UI schemas)
- Backend tool orchestration (weather API, Spotify, geolocation, business APIs)
- AI-to-frontend interaction via dynamic JSON directives
- Supabase, PostgreSQL, Vector Stores

Backend Engineering

- NestJS
- Node.js
- Python
- REST, middle-layer orchestration
- API security, RBAC, token-based access
- Logging & audit flows
- Microservices / Serverless

Web Development - HTML, Javascript, and CSS

- Javascript ES5, ES6, ES7+
- Typescript.
- React JS, Angular, Vue JS, Svelte, Astro
- Web Components, Stencil, Svelte, Lit Elements.
- Sass, Less, Stylus, Styled Components, Tailwind.
- Progressive Web Apps.
- Babel, Npm, Yarn, Webpack, Gulp, Grunt.
- Storybook

Mobile Development - Android, IOS

- Android.
- Flutter.

Design

- Zeplin, Adobe XD, Figma, Sketch
- Adobe Illustrator, Photoshop.
- ZBrush
- Blender

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- 3D Studio Max

Methodologies, Frameworks, and Best Practices

- Scrum, PMI, RUP
- Solid Principles, Clean Code, Design Patterns
- Canvas Methodology

Others

- C++
- Electron JS, Tauri