JUDITH ISABEL PÉREZ CONDE

Software Engineer |Fullstack Developer |TypeScript & Python
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Fullstack developer with hands-on experience building and shipping web applications with **TypeScript, React, Next.js, Python/FastAPI, NestJS and PostgreSQL**. Experienced in frontend architecture, REST APIs, Docker and agile workflows; led a 7-person team. Uses **AI agents and prompt engineering** to optimize development workflows. Seeking a 4–6 month Software Engineering Internship in Italy.

EDUCATION

Academic Exchange, DEIB – Politecnico di Milano Sep 2026 – Present
Campus Leonardo, Milan, Italy
- **MSc-level coursework:** Artificial Neural Networks & Deep Learning, Distributed Software Development, Advanced User Interfaces, Web & Data Science.

B.Sc. in Software Engineering & Computer Science Jul 2022 – Expected Sep 2027
Universidad del Norte, Colombia · GPA 4.45/5.0 · Generación E scholarship
- **Coursework:** Data Structures, Software Engineering, Databases, Distributed Systems.

Technical Degree in Graphic & Multimedia Production Jan 2022 – Dec 2023
Universidad de Barranquilla, Colombia

EXPERIENCE

Frontend Leader & Fullstack Developer Jan 2026 – May 2026
IRIS Platform, Universidad del Norte *Barranquilla, Colombia*
- Led a 7-person team building a platform to manage the submission and evaluation of students' final course projects using React, TypeScript and Next.js.
- Defined the frontend architecture and code-review standards on a microservices setup (API gateway, Docker Compose).
- Used AI agents and prompt engineering to optimize day-to-day development workflows.

Frontend Developer Aug 2025 – Nov 2025
ARKAD Platform, Universidad del Norte *Barranquilla, Colombia*
- Built and shipped React/TypeScript components with Tailwind CSS for a gaming-fair platform serving 400+ participants, collaborating in a 29-member agile team.
- Integrated the UI with NestJS and PostgreSQL (Prisma); used Azure for image uploads and deployed with Docker and Vercel.

Backend Developer Jan 2025 – Jun 2025
Retalapp *Remote*
- Implemented 5+ REST API endpoints in Python (FastAPI) and SQL, optimizing queries and schema design, with unit tests and peer code reviews.

Teaching Assistant – Data Analysis I Jan 2025 – Nov 2025
Universidad del Norte *Barranquilla, Colombia*
- Taught Python data analysis (Pandas, NumPy, SciPy) in weekly labs to 30+ engineering students.

PROJECTS

CAMELLO – Multi-tenant Inventory SaaS |*React, FastAPI, PostgreSQL, Docker* Degree project, 2026 – Present
- Fullstack lead of a 4-person team building a multi-tenant SaaS platform for SME inventory management, including inventory workflows, reorder-point alerts and decision dashboards.
- Modular-monolith architecture with schema-per-tenant data isolation.

Inventory Management API |*FastAPI, MySQL, Docker, JWT* GitHub
- Secure REST API with CRUD, input validation and JWT authentication, containerized with Docker.

Demand Forecasting Paper (Prophet) |*Python, time series* MAPI 4 Congress, 2026
- Co-author of a research paper on occupational health demand forecasting, in review for publication by Springer.

SKILLS

Languages: Python · TypeScript · JavaScript · SQL · Java

Frontend: React · Next.js · Tailwind CSS · HTML · CSS

Backend & Databases: FastAPI · NestJS · Node.js · REST APIs · PostgreSQL · MySQL · MongoDB · Prisma

Data & ML: Machine Learning (coursework, time-series forecasting) · Pandas · NumPy · SciPy · Prophet

AI & Automation: Prompt Engineering · AI Agents · LLMs · Claude Code · GitHub Copilot · Cursor · ChatGPT · Gemini

Engineering & Cloud: Docker · Docker Compose · Kubernetes · Git/GitHub · CI/CD · Azure · Vercel · Linux

Practices: Agile/Scrum · Code Review · Unit Testing · Microservices · API Gateway · Data Structures & Algorithms

LEADERSHIP & LANGUAGES

Leadership: Student Representative, Engineering Committee (2025–2026) · Vice President, ACM Student Chapter (2025–2026) · Webmaster, IEEE Student Branch (2026–Present) · Research Seedbed Member (2025)

Languages: Spanish (native) · English (B2) · Italian (B2)