

JUAN CARLOS PEGUERO

Cloud & AI Full-Stack Engineer | Python | AWS | React | System Design

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SUMMARY

Cloud and AI-focused Full-Stack Engineer with 13+ years of experience across the US and Latin America. Built and scaled enterprise applications at ServiceTitan and ThousandEyes, currently leading cloud-native and AI-integrated solutions at Idelji. Core stack: Python, React, AWS (Lambda, Bedrock, SageMaker, ECS), and modern system design. Focused on building intelligent, scalable systems that solve real business problems.

WORK EXPERIENCE

Idelji | Senior Cloud & AI Full-Stack Engineer

April 2021 – Present

- Architected AI-integrated enterprise monitoring systems using Python (FastAPI) and AWS Bedrock/Lambda for intelligent alerting and anomaly detection.
- Built React + TypeScript dashboards with real-time WebSocket updates, adopted by 20+ enterprise clients.
- Designed event-driven microservices processing 1M+ events per minute using AWS SQS, Lambda, and DynamoDB.
- Integrated LLM-based summarization for system logs, reducing incident response time by 35%
- Led system design reviews and mentored 3 junior engineers

Cisco ThousandEyes | Full-Stack Cloud Engineer

September 2018 – March 2021

- Developed cloud-native network monitoring features for Fortune 500 clients.
- Built real-time React-based network topology visualization system.
- Implemented scalable Python backend services on AWS (ECS, RDS, S3).
- Improved API performance by 40% through query optimization and Redis caching.
- Collaborated with US-based engineering teams in Agile environment

SoftnetCorp | Software Engineer

June 2012 – August 2018

- Built and maintained web-based business systems for 30+ local clients.
- Evolved tech stack from PHP/jQuery to Python (Flask) and React.
- Designed and optimized MySQL database schemas, improving reporting performance by 50%.
- Implemented RESTful APIs and token-based authentication.
- Promoted from Junior to Mid-level Engineer, leading 3 major client projects.

EDUCATION

California State University, Northridge

Bachelor of Science, Computer Science

August 2007 – May 2011

KEY SKILLS

- Languages: Python, JavaScript, TypeScript
- Frontend: React.js, Next.js, WebSocket
- Backend: FastAPI, Django, Flask, Node.js
- Cloud (AWS): Lambda, API Gateway, ECS, RDS, S3, SQS, DynamoDB, Bedrock
- AI/LLM: LangChain, OpenAI API, Prompt Engineering, Anomaly Detection
- Databases: PostgreSQL, MySQL, DynamoDB, MongoDB, Redis
- Architecture: Microservices, Event-Driven, REST APIs, System Design
- DevOps: Docker, CI/CD, Git, Linux