

Juan Diego Perrachón Hantis

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Backend-focused software engineer who leads development of Infoclub's core product and delivers systems from architecture through cloud production. Built Java/Spring platforms on AWS that processed more than 1,000 transactions and several thousand tickets. Additional experience with Node.js, PostgreSQL, Docker, infrastructure as code, and applied AI.

EXPERIENCE

Software Engineer / Development Lead

Dec. 2024 – Present

Infoclub Soluciones

Remote

- Lead development priorities and technical implementation for the company's primary electronic invoicing and business management product
- Design and maintain Java services, REST APIs, and integrations supporting business-critical invoicing workflows in Uruguay
- Deploy and administer production applications on Linux and cloud infrastructure, including security, DNS, and mail services
- Cut new-customer onboarding time by 50% by identifying bottlenecks and automating key steps

SELECTED PROJECTS

Water Park Ticketing & E-Invoicing Platform | *Java/Spring, AWS*

Sep. 2025 – Jan. 2026

- Designed the production backend for ticket sales, per-date capacity control, online payments, automatic electronic invoicing, and accounting exports
- Delivered the containerized platform on AWS in three months; it processed more than 1,000 transactions and several thousand tickets through Plexo

Operaia - AI Operations Assistant | *Node.js, Python, RAG*

Present

- Building a degree capstone spanning a web dashboard, WhatsApp, and a Raspberry Pi voice device for email, calendar, and task operations
- Implemented PostgreSQL/pgvector RAG, role-based access, human approval, auditing, Redis state, and Google/Microsoft integrations; AWS infrastructure is managed with Terraform and GitHub Actions

Penca Infoclub - 2026 World Cup Pool | *Node.js, PostgreSQL, AWS*

2026

- Built authentication, email verification, kickoff-based prediction deadlines, automated scoring and rankings, administration, and TheSportsDB synchronization
- Hosted the completed competition on AWS Elastic Beanstalk with PostgreSQL on Amazon RDS; final results remain at penca.infoclub.com.uy

TECHNICAL SKILLS

Backend & Data: Java, Spring Boot, REST APIs, SQL, PostgreSQL, MySQL, Node.js/Express, Python

Cloud & Delivery: AWS, Elastic Beanstalk, Amazon RDS, Docker, Terraform, GitHub Actions, Linux, Git

Applied AI: RAG, pgvector, LLM APIs, multi-agent systems, OpenAI, Gemini

Additional: Next.js, JavaScript, C#, ASP.NET, Azure, GeneXus

EDUCATION

Universidad de Montevideo

Montevideo

Computer Science Engineering

Aug. 2022 – Present

Highlands School

Colonia del Sacramento

English - Cambridge C1 Advanced (CAE)

2018

AWARDS & COMMUNITY

Winner - Microsoft & Ingenio Hackathon 2024

Jun. 2024

- Built a voice interface for Seriema Robotics' HUGO loading robot using browser speech recognition, Whisper, and GPT-4o

Microsoft & Ingenio AI Hackathon 2025

Jun. 2025

- Built a multi-agent system that identifies chemical-plant safety hazards from Gemini-transcribed video