

Hugo Oliveira Vicente

Technical Product Manager | Solutions Engineer | Forward Deployed Engineer

hugo.asm11@gmail.com | linkedin.com/in/hugo-vicente11 | github.com/hugo-vicente11

Summary

CS Engineering graduate from Instituto Superior Tecnico and incoming Cloudflare Product Manager Intern. Turn ambiguous technical requirements into shipped products across ML experimentation, distributed systems, and cloud infrastructure. Track record of measurable impact: cut ML experimentation costs by up to 70%, reduced incident diagnosis time by 35%, and delivered customer-facing platforms on weekly release cycles.

Work Experience

Cloudflare, Lisbon, Portugal

Product Manager Intern (Incoming), July 2026 to September 2026

- Selected for Cloudflare's 11-week Product Manager internship program, focused on product strategy, cross-functional execution, and technical product development.

JUNITEC, Lisbon, Portugal

Project Manager, April 2026 to June 2026

- Owned the technical roadmap for a synthetic clinical data platform, translating ambiguous stakeholder requirements into a modular ML pipeline combining **CTGAN, TimeGAN, Synthea, and BioGears**.
- Cut model experimentation costs by **up to 70%** by standardizing GPU training on **Google Colab Pro** and designing a "train remotely, infer locally" workflow for low-cost deployment.
- Managed experimentation pipelines over high-frequency biosignal datasets (**500Hz**) from **6,000+ surgical patient records**, coordinating preprocessing, training, and validation across the team.
- Established weekly delivery checkpoints across engineering and research workstreams, improving execution visibility and reducing ambiguity in model development priorities.

JUNITEC, Lisbon, Portugal

Software Developer, October 2025 to April 2026

- Developed an interactive AR-based educational platform for the Calouste Gulbenkian Museum using React and Firebase.
- Translated stakeholder requirements into weekly engineering deliverables across a multidisciplinary team of designers and developers.

RNL at Instituto Superior Tecnico, Lisbon, Portugal

System Administrator, April 2025 to Present

- Administer and monitor **80+ Linux servers**, including HPC clusters and virtualized environments, supporting computing infrastructure for students, researchers, and faculty.
- Built Grafana observability dashboards, **reducing infrastructure incident diagnosis time by 35%**.
- Automated infrastructure monitoring and operational workflows, improving system visibility and reducing manual debugging overhead.

Education

Instituto Superior Tecnico, Lisbon, Portugal

Bachelor's Degree in Computer Science and Engineering, September 2023 to June 2026

Technical Skills

Programming Languages: Python, C, Java, C++, SQL

Tools and Technologies: Git, Linux, Google Colab, React, Firebase, PostgreSQL, Streamlit, Pandas, Plotly, Grafana, Docker, Wireshark

Certifications and Training: Data Science with Python, Machine Learning, Introduction to Quantum Computing by IBM

Languages: Portuguese Native, English Fluent, Spanish Basic, French Basic

Projects

AI KPI Dashboard | Python, Pandas, Streamlit, Google Gemini API github.com/hugo-vicente11/kpi-dashboard

- Built an interactive SaaS analytics dashboard in Python and Streamlit to monitor 20+ business metrics, including MRR, ARR, churn, NRR, CAC, LTV/CAC, and cohort retention.
- Integrated a Google Gemini-powered AI assistant to generate natural language insights, recommendations, and trend explanations from business performance data.

KVS Subscription Server | C, Pthreads, Mutexes, Semaphores, Linux API github.com/hugo-vicente11/KVS-Subscription-Server

- Engineered a multithreaded key-value store in C with a named pipe-based client-server architecture and real-time subscription notifications.
- Implemented POSIX thread synchronization using mutexes, semaphores, and read-write locks to preserve data consistency across concurrent client sessions.

Fault-Tolerant Blockchain | Java 17, gRPC, Protocol Buffers, RSA-2048 github.com/hugo-vicente11/fault-tolerant-blockchain-java

- Built a distributed replicated blockchain ledger with a central sequencer for global transaction ordering and RSA-2048 signed blocks across multiple nodes.
- Implemented optimistic execution, linearizable reads, and client failover for low-latency, fault-tolerant operation.