

Marco Fasanella

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WORK EXPERIENCE

Forward Deployed Engineer | Nexi Digital (Reply Group x Nexi Group) | Milan, Italy Jun 2024 – Present

- Built and deployed a Dockerized Python agentic SDLC assistant using PydanticAI to automate bug-fix workflows, integrating Jira, GitHub repositories, CI pipelines, and internal developer workflows; supported ticket triage, root-cause analysis, patch generation, and test recommendations, with 200+ accepted fixes to date.
- Designed and published reusable SDLC skills and agents in a shared enterprise library, enabling teams to standardize Antigravity and Codex usage across planning, code understanding, implementation, testing, and documentation workflows.
- Designed a standardized Agile Way of Working and AI efficiency KPI framework to measure productivity, cost impact, and adoption outcomes across engineering teams, supporting a projected 30% reduction in software development operating costs.
- Led AI-driven SDLC transformation across 20+ Nexi Digital teams responsible for core IT operations, engaging approximately 300 engineering and business stakeholders through Codex adoption, AI education, and workflow redesign. Co-developed, with the Nexi Digital CIO area, an approved plan to scale the transformation to approximately 1,000 people.

Android Technical Lead | Nexi Digital (Reply Group x Nexi Group) | Milan, Italy Sept 2022 – Jun 2024

- Delivered [Nexi Pay](#) Android App features and customer experience enhancements for a platform serving 1M+ active users (cardholders).
- Managed a 5+ person Android development team, coordinating feature delivery, technical execution, and quality improvements while working directly with the client to shape future Nexi Pay app enhancements.

EDUCATION

POLIMI GSOM: GRADUATE SCHOOL OF MANAGEMENT

Master in Digital Finance

Major in Finance; Minors in Artificial Intelligence

Relevant Coursework: Digital Innovation, Transformation, Design Thinking;

Theoretical and hands-on deep dives into GCP, AWS, OCI, and Microsoft Azure;

Milan, IT

Apr 2023 - Oct 2024

POLYTECHNIC UNIVERSITY OF MILAN

Master's Degree in Computer Science and Engineering

Major in Artificial Intelligence; Minors in Software Engineering (Intelligent Applications)

Milan, IT

Sept 2021 - Jul 2023

POLYTECHNIC UNIVERSITY OF MILAN

BSc in Engineering of Computing Systems

Milan, IT

Sep 2018 - Jul 2021

UNIVERSITY PROJECTS

MASTER THESIS IN FINANCE

Oct 2024

- Built a RAG-based GenAI assistant for Nexi Payment Gateway documentation, using embeddings, vector retrieval, and conversational query handling; added observability for retrieved sources, prompt/model outputs, latency, token usage, and hallucination-related failure modes ([Presentation](#))
- Developed and deployed AI solutions on OCI and Azure for image vision and speech recognition ([repo](#))

MASTER THESIS IN ENGINEERING

Jul 2023

- Define key dimensions for AI on resource-constrained devices and develop a graphical tool to identify the most suitable deployment type. ([Presentation](#) - [Paper](#))

ADDITIONAL

Technical Skills: Python, Kotlin; LLM Engineering: RAG, multi-agent workflows, Codex, Antigravity, LangChain, Langfuse, PydanticAI.

Certifications & Training: Cambridge C1 Certification, IELTS Band 7; **Languages:** Italian and English