

Giuseppe Mancini

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Professional Profile

GCP Cloud Engineer and Full Stack Developer specialized in engineering scalable, production-ready ecosystems. Through my operational core, **maincloudlogic**, I bridge the gap between strategic systems analysis and cloud-native engineering to transform complex business requirements into high-performance, GCP-native realities. Active member of the **Google GEAR** program, focused on architecting Agentic Workflows and autonomous AI solutions.

Technical Skills

- **Cloud & Infrastructure (GCP):** Cloud Run, Compute Engine, Secret Manager, Docker, CI/CD Pipelines (GitHub Actions).
- **AI & Data Intelligence:** Agentic Workflows, Generative AI (Gemini SDK, Vertex AI), LangChain, RAG, pgvector (Semantic Search).
- **Backend Engineering:** Node.js, Express, Python, Django, PostgreSQL, MongoDB.
- **Frontend & UX:** React (Hooks/Context), Next.js, Advanced Sass (Modular architecture with @use and @forward), EJS.
- **DevOps & Tools:** Git, Postman, Resend API, Linux Environment.

OPERATIONAL CORE: MainCloudLogic

Founder & Architect | Cloud-Native AI Operations

- **Mission:** Delivering enterprise-grade AI SaaS solutions for the B2B market in Frankfurt.
- **Cloud Governance:** Engineered a production-ready ecosystem on GCP utilizing Cloud Run for auto-scaling and Secret Manager for industrial-grade security.
- **AI Integration:** Developed autonomous agents for process optimization, integrating LLMs into existing backend structures to automate complex logic.
- **Frontend Modularity:** Established a high-performance UI framework using Advanced Sass isolation, ensuring maintainability for large-scale applications.

Job-Tracker Dashboard | React, Node.js, Express, MongoDB

- **Frontend Engineering:** Developed a reactive interface with React and Vite, implementing efficient global state management to monitor application trends in real-time.
- **Security Architecture:** Engineered a robust authentication system using JWT with bcrypt hashing and secure HTTP-only cookie management for production-grade security.

Promontolio | E-commerce & AI-Driven Strategy

- **Infrastructure Modernization:** Refactored email delivery to an API-first architecture via Resend, achieving 99.9% deliverability and eliminating legacy worker timeouts.
- **Strategic Growth:** Implementing AI-driven newsletters and technical documentation (Gargano-based guides) to increase lead generation and customer retention.

Professional Experience

LG Energy Solution | Technical Support Coordination (2023 – 2024)

- **Workflow Optimization:** Managed technical escalations and service tickets, acting as a strategic bridge between field installers and the engineering department.
- **System Maintenance:** Provided technical guidance on IoT application usage and hardware installation, ensuring seamless integration of renewable energy systems.

LUDAV srl / Frantoio in Villa | Founder & Digital Lead (2019 – 2023)

- **Digital Transformation:** Architected the brand's digital presence, implementing bilingual SEO strategies and optimizing website performance to drive a 60% increase in organic traffic.
- **Operations Management:** Engineered end-to-end supply chain workflows, from quality control to international logistics and automated billing systems.

Mondimpresa | Strategic Internationalization Intern (2010)

- **Market Analysis:** Delivered strategic entry recommendations for SMEs expanding within the EU market, focusing on data-driven internationalization trends.

EDUCATION & CERTIFICATIONS

- **Google GEAR Program:** Generative AI Early Adopter - Active Member | Currently collaborating on the frontier of Agentic Workflows and Vertex AI to architect next-generation autonomous solutions.
- **Google Skills Cloud Certifications:** Path 118 (AI Agentic Workflows), Path 12, Generative AI Leader, GCP Fundamental;
- **Full Stack Web Development Certification:** Specialized in bridging MERN/Django architectures with emerging AI technologies and Agile methodologies.
- **Post-Graduate Master in Diplomatic Studies & MA in Political Science:** Specialized in Strategic Systems Analysis and Global Governance; applying diplomatic rigor to the alignment and scalability of complex software ecosystems.