




GUIDO WALTER PETTINARI

AI CONSULTANT & AGENT ENGINEER

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 AICONCONSULTANT.IT

 [GITHUB.COM/COCOINOMANE](https://github.com/COCOINOMANE)

 ROME, ITALY

INTRODUCTION

I make development teams AI-first, whether they start from zero or already run a coding agent like Claude Code or Codex, but supervise it at every step. The real work is not adopting the agent; it's building the system around it: the right culture, CI/CD, testing, and review practices, and the integrations that connect it to internal and external systems. Autonomy grows in stages, with humans and agents agreeing on a shared, auditable plan, so the team keeps the judgment calls. I also design production agentic systems for the business side, from voice assistants to multi-agent platforms.

I come in, build the process and the infrastructure, train the team, and leave them self-sufficient. With 10+ years as a technical lead, my strongest fit is where engineering meets business: needs analysis, mentoring, and systems that survive after the proof-of-concept.

CURRENT WORK

AI Consultant & Agent Engineer

June 2024 - present, Selected engagements

Anritsu Europe: *AI advisor and trainer for a Japanese multinational in the telecom service-assurance market*

Advised on tooling and model strategy: coding agents, model selection, and the on-premise vs. cloud trade-off. Trained six team leaders of Java and C++ engineers to adopt Claude Code within their IntelliJ/GitLab workflow, establishing: context-engineering practices; agent skills; MCP servers tailored to their codebase; new testing procedures to close the agent feedback loop. Taking the dev team from near-zero AI tooling to daily autonomous use.

Idearia: *AI-first development transformation for a B2B SaaS web agency*

Took a hesitant dev team from no CI/CD and scattered tests to coding agents contributing semi-autonomously. Built a containerized GitHub Actions pipeline, a Playwright E2E testing suite, and a 17-skill knowledge base grounding Claude Code in the codebase. Set up automated PR reviews and a PR-level preview environment.

Genie AI Tech: *Agentic workflow engineering for a US-based fintech startup*

Co-developed a multi-agent chatbot in their Portfolio Management System to facilitate investment operations. The key challenge was to let the user generate workflow automations via natural language that could be later executed in an auditable manner.

HeyAnon: *MCP design and creation for a UAE-based Crypto fintech*

Integrated 9 DeFi protocols and crypto exchanges into the HeyAnon agentic platform. The DeFi integrations had to work seamlessly across different EVM chains.

PAST WORK EXPERIENCE

- Mar 2023
to Dec 2025
- Fractional CTO**
Idearia Web Agency, Italy
- Led AI adoption across client and internal workflows
 - Maintained engineering ownership across WordPress SaaS, DevOps, ETL, and security
- Mar 2023
to May 2024
- Technical Lead**
Firefly, UAE (remote)
- Managed 5 contract developers (frontend, backend, smart contracts)
 - Deployed decentralized exchange leveraging concentrated liquidity strategies
 - Built scripting tools to deploy and manage investment capital across DeFi protocols
- Dec 2015
to Mar 2023
- Lead backend developer**
Idearia Web Agency, Italy
- Managed a team of up to 6 developers
 - Developed a multi-domain SaaS in modern PHP, WordPress, Vue.js and Svelte
 - DevOps via bash, PHP and Python scripting
 - Developed ETL pipelines and data sync workflows
- Oct 2012
to Sep 2014
- Postdoctoral research associate**
ICG, University of Portsmouth, UK
Astronomy Centre, University of Sussex, UK

EDUCATION

- Oct 2009
to Sep 2013
- Ph. D. in Cosmology**
Institute of Cosmology and Gravitation, University of Portsmouth, UK
- Thesis won the [Royal Astronomical Society 2014 prize](#) for best doctoral thesis
 - 10 peer-reviewed articles ([Google Scholar](#))
- Oct 2002
to Jul 2009
- BSc in Physics & MSc in Particle Physics**
Università di Bologna, Italy
Graduated *magna cum laude*

TOOLS AND SKILLS

AI & Agents	Pydantic AI, FastMCP, LangGraph, Claude Code, Codex, Cursor, Gemini CLI
Languages	Python, PHP (Laravel, WordPress), JavaScript (Typescript, Node.js), C, Fortran
Data & Science	NumPy, SciPy, Pandas, Selenium, Playwright, PostgreSQL, Elasticsearch
Automation	n8n, Zapier, Google Workspace Apps Scripts, GitHub Actions, Prefect
Cloud & Devops	AWS, Google Cloud, Cloudflare, Vercel, Bash, SSH
Crypto	Blockchain querying, indexing, scripting

SPOKEN LANGUAGES

Italian (native) · English (fluent) · Spanish & French (intermediate)