

# GABRIELE IACOPO LANGELLOTTO

AI Solution Architect | HP Lecturer | Data Science & AI Specialist

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Multilingual: Italian (Native), English (C1), Spanish (C1), French (B1)

## PROFESSIONAL SUMMARY

Results-driven AI Solution Architect with 10+ years of cross-functional experience spanning digital marketing, business management, and advanced AI/ML solution architecture. Currently serving as AI Solution Architect at AllianceNews Ltd and HP Lecturer at University of East London. Proven track record of launching 5 AI products using NLP technologies, achieving 75% productivity increase and 50% improvement in employee engagement rates. Expertise in transforming complex technology challenges into strategic business advantages through innovative AI/ML solutions, prompt engineering, and effective stakeholder communication.

## KEY ACHIEVEMENTS

- Successfully launched 5 AI products using NLP/NLG technologies, delivering measurable business impact
- Achieved 75% increase in productivity and 50% improvement in employee engagement through AI solutions
- Architected and deployed GPT-4 integrated systems with AWS AI services in production environments
- Graduated from Polkadot Blockchain Academy (2024), mastering Web3 and Substrate development
- Teaching and mentoring as HP Lecturer, contributing to the next generation of tech professionals

## PROFESSIONAL EXPERIENCE

### AI Solution Architect

*AllianceNews Ltd | 2023 - Present*

- Design and implement NLP-based AI solutions, achieving 75% productivity gains across operations
- Craft sophisticated NLP prompts and develop high-impact AI service products for enterprise clients
- Lead technical architecture decisions for GPT-4 integration and AWS AI service deployment
- Communicate complex technical requirements and opportunities to stakeholders effectively
- Spearhead innovation initiatives resulting in 50% improvement in employee engagement rates
- Develop and maintain production-grade AI systems with focus on scalability and reliability

### HP Lecturer

*University of East London (UEL) | 2023 - Present*

- Deliver engaging lectures and practical sessions on cutting-edge technology topics
- Mentor students in data science, AI/ML, and software development best practices
- Develop curriculum content aligned with industry standards and emerging technologies
- Foster innovation and critical thinking in the tech education ecosystem

### Letting & Marketing Manager

*GIL LETTINGS | 2019 - 2021*

- Led digital marketing strategies and property management operations

- Implemented data-driven decision-making processes for business optimization
- Managed cross-functional teams and client relationships across diverse portfolios

### **Digital Marketing Manager**

*DREAMPOWER Ltd | 2014 - 2018*

- Developed and executed comprehensive digital marketing campaigns across multiple channels
- Analyzed marketing metrics and optimized strategies for maximum ROI
- Built and maintained client relationships while delivering measurable results

## EDUCATION & PROFESSIONAL DEVELOPMENT

### BSc (Hons) Data Science and Artificial Intelligence

University of East London | 2023 - Present

Focus: Artificial Intelligence, Machine Learning, Programming for Data Science, Statistical Analysis, and advanced AI/ML methodologies

### Polkadot Blockchain Academy - Certificate

Polkadot Blockchain Academy (4-Week Online Campus Program) | 2024

Comprehensive blockchain development: Polkadot ecosystem, Substrate framework, Web3 technologies, smart contract development

### Business and Marketing

Anglia Ruskin University | 2022 - 2023

Strategic business management and digital marketing principles

### International Business Management

University of the West of Scotland | 2021 - 2022

Global business strategy and international market dynamics

## TECHNICAL EXPERTISE

**AI & Machine Learning:** NLP/NLG, GPT-4 Integration, Prompt Engineering, AWS AI Services (SageMaker, Comprehend, Rekognition), Machine Learning Pipeline Development, AI Product Development, Natural Language Processing Solutions

**Blockchain & Web3:** Solidity, PyTeal, Algorand, Substrate (Polkadot), Smart Contract Development, Hardhat 3, Web3.js, DeFi Platforms, Cryptography (ECC, RSA), Polkadot Ecosystem

**Full-Stack Development:** Python, JavaScript, TypeScript, React, Next.js, TailwindCSS, SCSS, Jekyll, GitHub Pages, API Development, Responsive Design, Modern Web Standards

**Data Science & Mathematics:** Statistical Analysis, Number Theory, Cryptographic Algorithms, Complexity Analysis, Optimization (NP-hard problems, Graph Algorithms), Algorithm Design and Implementation

**Cloud & DevOps:** AWS Architecture and Deployment, Git, GitHub, CI/CD Pipelines, Streamlit, Docker, Cloud-native Development, Scalable System Design

**Development Frameworks:** Pygame, Hardhat, Streamlit, Jekyll, Next.js, React, Node.js, Express, Flask

## LANGUAGES

- Italian: Native proficiency
- English: C1 (Advanced) - Professional working proficiency
- Spanish: C1 (Advanced) - Professional working proficiency
- French: B1 (Intermediate) - Independent user

## NOTABLE PROJECTS & INNOVATIONS

- AI-powered Smart Contract Generator: Developed intelligent blockchain solution with natural language processing
- Riemann Hypothesis Explorer: Created advanced mathematical research tool for prime number analysis
- Enterprise NLP Solutions: Built production-grade natural language processing systems for business automation
- Interactive Educational Games: Designed Python-based games including Roman numeral Sudoku and puzzle systems
- Algorithmic Optimization Tools: Implemented solutions for complex problems including Traveling Salesman optimization

*CV generated: November 2025 | Portfolio: <https://gil794.github.io>*