GIANCARLO PAPA

Senior Full Stack Engineer –
Cloud Platform & AI Engineering

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Senior Full Stack Engineer with over 13 years at Sunrise Communications AG, working across cloud platform engineering, full stack development, enterprise systems, data platforms, Salesforce, and applied AI. Strong Linux and open-source background, with long-term ownership of internal, business-critical platforms used at scale.

Passionate software engineer since the early home-computer era (Commodore 64, MSX), with a strong focus on cloud-native architectures, containerized systems, and applied AI. Particularly enthusiastic about Docker-based development and operations.

Career progression from advanced technical support into application engineering, cloud development, big data, Salesforce development, and AI engineering. Originally from Italy, raised between Germany and Sicily, now based in eastern Canton Zurich, Switzerland. Fluent in German (native), Italian, and English. Proud father of a wonderful daughter.

💼 PROFESSIONAL EXPERIENCE

2012 – Present Zurich	**Senior Full Stack Engineer Cloud Platform & AI Engineer** SUNRISE COMMUNICATIONS AG Senior Full Stack Engineer in a leading Swiss telecommunications environment, with long-term ownership of internal platforms and progressive responsibility spanning advanced technical support, application engineering, cloud platforms, data, Salesforce, and AI engineering. Specialized in designing, building, operating, and evolving business-critical internal platforms used across multiple departments. Strong full-stack expertise covering backend systems (PHP/Laravel, enterprise databases), modern frontend development (Vue.js), cloud-native architectures on Google Cloud Platform, and Linux-based infrastructure. Extensive experience in platform modernization, legacy system migration, performance optimization, and reliability engineering. Actively delivering applied AI solutions, data-driven platforms, and enterprise integrations, working closely with business, product, and technical stakeholders. Pragmatic and open-source-oriented, with a platform mindset and deep understanding of complex enterprise environments.

☆ EARLY CAREER & FOUNDATION (Pre-2012)

2005 – 2011 Palermo	**Full Stack Web Developer / System Engineer**

Full Stack Web Developer / System Engineer
siciliaonline.it Sicilia On Line Srl
Worked as Lead Full Stack Web Developer for a high-traffic regional newspaper platform, with end-to-end responsibility for application development, platform architecture, and Linux-based operations. Led backend and frontend development, ensured reliability and performance under continuous editorial load, and drove platform evolution through redesigns, optimizations, and integrations.

⚛ TECHNICAL SKILLS

Core Engineering
- PHP (modern PHP 7/8), Laravel (application architecture, APIs, background jobs)
- JavaScript, Vue.js, HTML5, CSS
- RESTful APIs, service-oriented and platform-oriented design

AI & Data Engineering
- AI Engineer: applied AI solutions integrated into enterprise systems
- AI-assisted internal tooling and workflow automation
- Data-driven application design
- Big data platform exposure and analytics-oriented development

Salesforce & Enterprise Platforms
- Salesforce development and system integrations
- Platform customization and automation
- Enterprise interoperability

Tooling & Workflow
- Git-based workflows
- CLI tooling and shell scripting
- Modern IDEs (VS Code, Vim)
- Strong open-source orientation

Cloud & Platform Engineering
- Google Cloud Platform (GCP) (compute, networking, IAM, cloud-native services)
- Docker (containerized development and deployment)
- Linux-first engineering (Debian, Ubuntu, Red Hat–based systems)
- Application deployment, automation, and operational ownership

Databases & Storage
- MySQL, Oracle, PostgreSQL
- SQL design, optimization, and data modeling
- Enterprise data integration

DevOps, Systems & Networking
- CI/CD concepts and pipelines
- Infrastructure-aware development
- Performance optimization and high availability
- TCP/IP, DNS, HTTP/S, SSL, SSH
- Linux services, system hardening, and troubleshooting

🌐 LANGUAGES

Italian (– Native) | **German** (– Fluent (business level)) | **English** (– Fluent (business level)) | **French** (– Basic knowledge)

🎓 EDUCATION

Accounting & Computer Science studies
Accounting & Computer Science Diploma
Formal technical and commercial education with a strong foundation in information technology, systems thinking, and applied computing.