

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.

PROFESSIONAL EXPERIENCE

Jan 2012 –
Present
Zurich,
Switzerland

Senior Full Stack Engineer – Cloud Platform & AI

Sunrise Communications AG

- Long-term ownership of internal platforms and progressive responsibility spanning advanced technical support, application engineering, cloud platforms, data, Salesforce, and AI engineering in a leading Swiss telecommunications environment.
- Designed, built, and operated business-critical internal platforms used across multiple departments at scale.
 - Led platform modernization from legacy PHP/JS to Laravel 12, Vue 3, and Nuxt 3; migrated infrastructure from RHEL 6/7 to RHEL 9 with Docker adoption and CI/CD pipelines (GitLab, Jenkins).
 - Architected cloud-native services on Google Cloud Platform (GCP) covering compute, networking, IAM, and Cloud Run.
 - Delivered applied AI solutions including LLM integrations with Google Vertex AI and Gemini for enterprise automation and customer service efficiency.
 - Integrated Oracle and MySQL backends with LDAP/AD authentication across enterprise systems.
 - Salesforce development and system integrations with enterprise interoperability.

EARLY CAREER & FOUNDATION (PRE-2012)

Jan 2005 –
Dec 2011
Palermo, Italy

Full Stack Web Developer / System Engineer

Sicilia On Line Srl

- 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 ensuring reliability and performance under continuous editorial load.
 - Drove platform evolution through major redesigns, optimizations, and third-party integrations.
 - Managed LAMP server configuration, high-availability infrastructure, SEO, and analytics integrations.



TECHNICAL SKILLS

Core Engineering

- PHP
- Laravel
- JavaScript
- Vue.js
- HTML5
- CSS
- RESTful APIs
- Service-oriented design

AI & Data Engineering

- Applied AI / LLM integration
- Vertex AI
- Gemini
- AI-assisted tooling
- Big data platforms
- Analytics-oriented development

Databases & Storage

- MySQL
- Oracle
- PostgreSQL
- SQL design & optimization
- Data modeling

Cloud & Platform

- Google Cloud Platform (GCP)
- Docker
- Linux (Debian / Ubuntu / RHEL)
- CI/CD pipelines
- Cloud Run
- Application deployment & automation

Salesforce & Enterprise

- Salesforce development
- Platform customization
- Enterprise interoperability
- LDAP / AD
- Enterprise data integration

DevOps & Networking

- TCP/IP
- DNS
- HTTP/S
- SSL / SSH
- System hardening
- Performance optimization
- Git
- Shell scripting



LANGUAGES

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



EDUCATION

Accounting & Computer Science studies

Diploma · Accounting & Computer Science
1991 – 1997



INTERESTS & HOBBIES

Sports

- Mountain biking
- Running
- Swimming

Lifestyle

- Cooking
- Gardening
- DIY
- Woodworking

Creativity

- Digital Design
- Furniture Restoration
- Modding