

CONTACTS

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Date of Birth: 29/10/1982
Place of Birth: Marino (RM), Italy

SIMONE RENZI

FOUNDER & CTO | SOFTWARE ARCHITECTURE, AI & COMPLEX TECHNOLOGICAL SYSTEMS

CTO and Technology Founder with extensive experience in designing complex software architectures, artificial intelligence systems, IoT solutions, and scalable digital platforms developed across corporate, institutional, and research environments.
Specialized in technology strategy definition, architectural design, and end-to-end supervision of the lifecycle of complex software platforms and digital infrastructures.
Proven expertise in technology leadership, applied innovation, and technical-strategic coordination of high-complexity projects, including the management of multidisciplinary teams and the development of proprietary technological solutions.
Actively engaged in technical and scientific dissemination on artificial intelligence and technological innovation, with participation in television and radio interviews, as well as editorial contributions on AI, technological ethics, and complex systems design.
Profile focused on scalability, architectural robustness, and the development of secure, reliable, and sustainable digital platforms designed for long-term performance.

PROFESSIONAL EXPERIENCE

CEO - Technology Director

RENOR & Partners | 2022 - Present

Founder and CEO with direct responsibility for technology leadership, overseeing the definition of the technological vision, architectural design, and the development of software platforms, artificial intelligence solutions, and complex technological systems.
Led the coordination of design, development, and management of IT systems, including the definition of application architectures, organization of technical processes, and supervision of development resources in high-complexity operational environments.
Oversaw technological innovation initiatives, the development of proprietary platforms, and provided strategic guidance for IT, AI, cloud, and digital infrastructure decisions at the executive level.

TECHNOLOGY STACK
Software Architecture
SaaS Platforms & Scalable Systems
Artificial Intelligence
Cloud & Infrastructure
Backend Development
IoT & Embedded Systems

CORE TECHNOLOGIES
PHP • Laravel • Python • JavaScript
React + Redux • Node/JS • Docker

TOOLS & PLATFORMS
Fusion 360 (3D Modeling)
Adobe Photoshop • Illustrator • Adobe XD

Chief Technology Officer (CTO) – Head of IT

M&G Holding | 2016 - 2022

Responsible for the IT leadership and architectural supervision of enterprise software systems in structured multi-user environments, overseeing development, integration, and management processes of corporate information systems.
Provided cross-functional coordination of technical and operational teams, leading corporate technology processes and interacting across an organizational structure of approximately 470 personnel.
Led technological innovation and digital transformation initiatives, introducing new software solutions and optimizing application infrastructures to support business operations.
Defined architectural guidelines, supervised software projects at a technical level, and supported executive decision-making for the evolution of IT systems and digital platforms.

TECHNOLOGY STACK
Enterprise Software Architectures
Multi-User Information Systems
IT & Application Infrastructures
Enterprise Digital Transformation
Software Systems Integration

CORE TECHNOLOGIES
PHP • MySQL/NoSQL • JavaScript • REST API
Linux • Docker

TOOLS & PLATFORMS
Git • Linux Environments • Monitoring Tools
Deployment & Testing Environments

Head of Digital Marketing & Senior Developer

M&G Co. Service | 2016

Head of Digital Area and Senior Developer, with operational leadership of the digital division and coordination of a team of 10 professionals across software development, web platforms, and digital initiatives.
Oversaw the design and development of corporate web platforms, defined digital strategies, and integrated technological solutions to support online operations and business growth processes.
The implemented solutions, together with the evolution of digital platforms and operational strategies, contributed to a significant increase in company revenue, reaching approximately €8 million annually.

TECHNOLOGY STACK
Corporate Web Platforms
Full-Stack Web Development
Web Application Architecture
Digital Platforms & Online Systems
Technology Solutions Integration

CORE TECHNOLOGIES
PHP • MySQL • JavaScript • jQuery • HTML/CSS
REST API

TOOLS & PLATFORMS
Git • CMS Management
Web Performance Analysis Tools
Technical SEO/SEM Tools
Web Deployment Environments

TECHNOLOGY STACK
Web Platforms & Hybrid Applications
Application Architecture
Full-Stack Development
End-to-End Software Design
Digital Systems for the HoReCa Sector

CORE TECHNOLOGIES
PHP • MySQL • JavaScript • HTML/CSS • REST API

TOOLS & PLATFORMS
Git • Web Development Environments
Testing & Debugging Tools
UI/UX Prototyping Tools

Founder & Senior Developer
Entrepreneurial Project | 2014 – 2016

Founder and Senior Developer of a digital entrepreneurial venture focused on the HoReCa sector, involving the ideation, architectural design, and development of a social platform and hybrid application dedicated to the hospitality and food service industry.
Managed the end-to-end product lifecycle, from functional and technical definition to development, release, and continuous evolution of the platform, coordinating both technical and organizational activities related to the project's growth.
Responsible for technology selection, software development, and system architecture, establishing the operational and technological foundations of the digital product.

TECHNOLOGY STACK
CMS-Based Web Platforms
Plugin Development & Customization
Web Application Architecture
Web Performance Optimization
Web Systems Maintenance

CORE TECHNOLOGIES
PHP • MySQL • JavaScript • HTML/CSS • CMS

TOOLS & PLATFORMS
Git · Web Development Environments
Debugging & Testing Tools
Web Performance Analysis Tools

Middle Developer
iRiparo | 2014

Mid-Level Developer involved in the development and maintenance of CMS-based corporate web platforms, including custom plugin development and functional customization of digital solutions.
Performed web performance analysis, supported SEO/SEM optimization initiatives, and conducted technical benchmarking to enhance system performance and online reliability.
Contributed to the development and technical evolution of corporate web platforms, focusing on application stability, efficiency of digital solutions, and overall software quality.

TECHNOLOGY STACK
Enterprise Web Development
Corporate Web Platforms
Web Application Architecture
Web Performance Analysis
Online Process Digitalization

CORE TECHNOLOGIES
HTML/CSS • JavaScript • jQuery • PHP • MySQL

TOOLS & PLATFORMS
Web Development Tools
KPI & Performance Analytics Tools
Enterprise CMS Platforms
Technical Benchmarking Tools

Junior Developer
Italdesign | 2012 - 2014

Junior Developer responsible for the development of the corporate website and the implementation of web platforms within a structured corporate environment focused on the digitalization of online processes.
Conducted web performance analysis, technical benchmarking, and KPI monitoring, contributing to the optimization of digital platforms and the improvement of online system performance.
Provided technical support to digital and marketing activities from a technological perspective, with a focus on development, application efficiency, and the quality of implemented web solutions.

KEY COMPETENCIES

• Technical Direction and Coordination of Complex Software Initiatives

• Strategic Activity Planning and Priority Definition

• Structured Workflow Governance and Milestone Oversight

• End-to-End Project Lifecycle Management and Supervision

• Cross-Functional Technical Team Coordination

• Operational and Organizational Process Optimization

• Strategic Decision Support in Technological and Organizational Domains

LEADERSHIP & ORGANIZATIONAL MANAGEMENT

Proven experience in coordinating complex projects and managing structured workflows within technological and multidisciplinary environments.
Skilled in activity planning, role definition, and resource allocation based on individual competencies, ensuring operational efficiency and long-term project continuity.

Adopts an end-to-end project supervision approach, covering requirements analysis, process modeling, activity planning, milestone tracking, and progress monitoring.
Strong operational leadership capabilities, with experience in team coordination and optimization of decision-making processes in structured and high-complexity organizational contexts.

INTERPERSONAL & COMMUNICATION SKILLS

Strong collaborative leadership skills with proven experience in managing team dynamics across technical and multidisciplinary environments.
Committed to fostering balanced and high-performing work environments based on mutual respect, shared responsibility, and the valorization of individual competencies.

Accustomed to constructive communication and active listening, with a focus on team cohesion, resource engagement, and the development of stable, productive environments aligned with organizational and project objectives.

KEY PROJECTS

renor.it/cryosense

runai.it

appceliachia.it

talentflow.it

business.yooth.it

STRATEGIC PROJECTS & TECHNOLOGICAL DEVELOPMENTS

CryoSense
Ditta Domenico Ventura / TechVision

Designed and developed an IoT-based cold chain monitoring system for structured operational environments, deployed for organizations operating in institutional sectors associated with the Ministry of Justice.

RunAI
RENOR & Partners

Led the conceptualization, architectural design, and development of a GDPR-compliant conversational AI platform.
Defined the software architecture and engineered the inference server infrastructure, ensuring data security, scalability, and autonomous management of AI models within controlled and secure environments.

CeliachIA
RENOR & Partners

Designed and developed an AI-powered application for food ingredient scanning and analysis, enabling gluten detection and decision support for users with celiac disease.

TalentFlow
RENOR & Partners

Designed and developed an AI-powered SaaS platform for the HR domain, enabling automated CV analysis, intelligent candidate-role matching, and optimization of recruitment workflows.

Yooth - Hybrid Social Network
RENOR & Partners

Led the conceptualization, architecture definition, and development of a hybrid social platform, overseeing the full product lifecycle from functional design to implementation and continuous system evolution.

TECHNICAL EXPERTISE

Complex Systems

BackEnd

AI

Cloud

SOFTWARE ARCHITECTURE & COMPLEX SYSTEMS

Design and governance of scalable software architectures, multi-user systems, and complex web platforms. Establishment of architectural guidelines, end-to-end application lifecycle oversight, and continuous optimization of performance, scalability, and system reliability.

SOFTWARE DEVELOPMENT & BACKEND ENGINEERING

Design and development of complex web applications and enterprise platforms, including server-side architecture, RESTful APIs, and system integrations, with a strong focus on stability, security, and operational continuity.

ARTIFICIAL INTELLIGENCE & AI INFERENCE SYSTEMS

Design and integration of AI-driven solutions, inference architectures, and automated data analysis systems, with particular emphasis on regulatory compliance, AI model lifecycle management, and information security.

CLOUD ARCHITECTURE, INFRASTRUCTURE & DEVOPS

Design and governance of cloud infrastructures and deployment environments, including release workflow organization, version control management, and supervision of hosting architectures and application server ecosystems in structured enterprise environments.

IoT

Data Security

3D Modeling

LANGUAGES & FRAMEWORKS

DEVOPS



IOT & EMBEDDED SYSTEMS

Design, development, and technical oversight of IoT solutions and connected devices, with hardware-software integration and embedded systems management for real-time monitoring, automation, and data acquisition.

DATA SECURITY, GDPR COMPLIANCE & DATA GOVERNANCE

Design and implementation of data protection frameworks aligned with GDPR compliance, including secure information management and the definition of technical procedures for safeguarding sensitive data in enterprise and institutional contexts.

3D MODELING & TECHNICAL ENGINEERING DESIGN

3D modeling and technical design for the development of engineering solutions and prototyping of components and devices, integrated into product development, IoT, and engineering workflows.
Support to technical visualization, functional design, and the definition of hardware-software architectures within complex technological environments.

PROGRAMMING LANGUAGES

C · PHP 8.4 · Python · JavaScript · SQL

FRAMEWORKS, PLATFORMS & TECHNOLOGIES

Laravel · React · Node.js · REST API

CLOUD & AI INFRASTRUCTURE

Google Cloud Platform (GCP)

Cloud & Compute
Cloud Run • Cloud Functions • Compute Engine • App Engine

DevOps & CI/CD
Cloud Build • Artifact Registry • Cloud Source Repositories • Cloud Deploy

Messaging & Integration
Pub/Sub • Cloud Tasks • Eventarc • API Gateway

AI & Machine Learning
Vertex AI • Vertex AI Embeddings • Vertex AI Vector Search • AutoML • AI APIs

Data & Database
Firestore
Cloud SQL (MySQL, PostgreSQL)
BigQuery (Data Warehouse)
Cloud Storage (Object Storage)
Memorystore (Caching - Redis)

Networking & Security
Cloud Load Balancing • VPC • IAM • Secret Manager • Cloud Armor

Maps & External Services
Maps JavaScript API · Geolocation APIs · Places API

EDUCATION

Computer Engineering

Computer Engineering and Automation Engineering
Bachelor's Degree

Academic background focused on software design, information systems, and complex technological architectures.

Sound Engineering

Sound Engineering
Bachelor's Degree

Multidisciplinary engineering program within the Electronic Engineering faculty, with a focus on digital systems, signal processing, and advanced technologies.

Classical Piano

Classical Piano
Second Cycle Academic Diploma (AFAM) – Master's Degree Equivalent

Academic training focused on advanced musical performance, methodological discipline, and concert performance development.
Concert activity and recording production in the classical piano field.

COLLABORATIONS

INSTITUTIONAL AND ACADEMIC ENGAGEMENTS

Sports Organizations

Reggina 1914 (2020 – 2022) | Serie B Championship
Technological and Operational Direction

Technical and operational consulting activities supporting organizational and administrative processes, including the preparation of technical documentation for institutional tenders related to the management and subsequent acquisition of the Sant'Agata Sports Center in Reggio Calabria.
Management and resolution of administrative and technical critical issues, with the design of structured technical and organizational solutions for information and operational workflows.
Design and development of the official website and e-commerce platform of the football club, including digital architecture definition and supervision of functional and management components.
Design and implementation of the official Web TV, with technical infrastructure setup and support for multimedia platform development for digital communication.

Universities

Università di Tor Vergata, Complutense University of Madrid, Biomedical Technology Center, Politecnico di Madrid
Technical and Operational Participation

Participation in research and technological development projects in collaboration with academic institutions and international research centers, providing technical contributions to the development of digital solutions, intelligent systems, and multidisciplinary high-tech projects.

Research Institutes

INFN – National Institute for Nuclear Physics
Collaborations with Universities and Research Institutes

Involvement in technical and project-based activities within academic and scientific environments, including software solution development, support for research initiatives, and participation in technological and scientific dissemination projects.

LANGUAGES

Italian: Native
English: Advanced level (C2 written comprehension and reading), C1 speaking

MEMBERSHIP

Mensa Italia
The High IQ Society – Member since 2004

International high-IQ society membership, with admission through standardized testing and selection among the top 2% of the population.
Participation in multidisciplinary cultural and intellectual activities oriented toward scientific and academic exchange.

LICENSES

- Category B Driving License (Passenger Vehicles)
- Category A3 Driving License (Motorcycles – All Engine Capacities)
- Recreational Motorboat License (Up to 12 Nautical Miles Offshore)
- UAS Remote Pilot Certificate – Open Category A1/A3 (ENAC – EASA)

CERTIFICATIONS & KNOWLEDGE BADGES

Certification
- Apple Ads Certification

Learning path completed: Professional Cloud DevOps Engineer Certification
- Build Infrastructure with Terraform on Google Cloud
- Monitor and Log with Google Cloud Observability
- Using DevSecOps in your Google Cloud Environment
- Implement DevOps Workflows in Google Cloud
- Set Up an App Dev Environment on Google Cloud
- Introduction to Application Design Center
- Getting Started with Terraform for Google Cloud
- Troubleshooting with AI Using Cloud Assist Investigations
- Observability in Google Cloud
- Logging and Monitoring in Google Cloud
- Reliable Google Cloud Infrastructure: Design and Process
- Google Cloud Fundamentals: Core Infrastructure
- Developing a Google SRE Culture
- Monitor Environments with Google Cloud Managed Service for Prometheus

Learning path completed: Professional Cloud Architect Certification
- Implement Cloud Security Fundamentals on Google Cloud
- Develop Serverless Applications on Cloud Run
- Build a Secure Google Cloud Network
- Implementing Cloud Load Balancing for Compute Engine
- Introduction to AI and Machine Learning on Google Cloud
- Introduction to Data Engineering on Google Cloud
- Manage Scalable Workloads in GKE
- Networking in Google Cloud: Hybrid and Multicloud
- Elastic Google Cloud Infrastructure: Scaling and Automation
- Developing Applications with Cloud Run on Google Cloud: Fundamentals
- Networking in Google Cloud: Network Architecture
- Manage Security in Google Cloud
- Networking in Google Cloud: Fundamentals
- Essential Google Cloud Infrastructure: Core Services
- Build a Certification Study Guide: PCA Exam Prep
- AI Infrastructure: Introduction to AI Hypercomputer
- Manage Kubernetes in Google Cloud

Learning path completed: Professional Machine Learning Engineer Certification
- Responsible AI for Developers: Privacy & Safety
- Responsible AI for Developers: Interpretability & Transparency
- Responsible AI for Developers: Fairness & Bias
- Create Generative AI Apps on Google Cloud
- MLOps with Agent Platform: Manage Features
- Machine Learning Operations (MLOps): Getting Started
- Production Machine Learning Systems
- Create ML Models with BigQuery ML
- Prepare Data for ML APIs on Google Cloud
- Build a Certification Study Guide: PMLE
- Engineer Data for Predictive Modeling with BigQuery ML
- Machine Learning Operations (MLOps) with Agent Platform: Model Evaluation
- Machine Learning Operations (MLOps) for Generative AI

- Introduction to Generative AI
- Introduction to Large Language Models

Advanced badges
- Create Embeddings, Vector Search, and RAG with BigQuery
- Build AI Agents with Enterprise Databases
- Google DeepMind: Train A Small Language Model

Intermediate badges
- Google Workspace Security
- Mitigate Threats and Vulnerabilities with Security Command Center
- Use Machine Learning APIs on Google Cloud
- Cloud Architecture: Design, Implement, and Manage
- Engineer AI Agents with Agent Development Kit (ADK)

Introductory badges
- Google Workspace Troubleshooting
- Google Workspace Data Governance
- Google Workspace Core Services
- Google Workspace User and Resource Management
- Migrate MySQL Data to Cloud SQL Using Database Migration Service
- Implement Cloud Collaboration and Productivity Workflows
- Share Data Using Google Data Cloud
- Derive Insights from BigQuery Data
- Introduction to Responsible AI
- Responsible AI: Applying AI Principles with Google Cloud

All badges can be verified on the public skills.google profile.

I authorize the processing of my personal data in accordance with EU Regulation 2016/679 (GDPR).

