Idjer Samy Remy / 史为镜

Software Develper / System Engineer

⌖ Milan, Italy / Xiamen, China ☎ +39 3341684455 / +86 13950164801 @ idjersamyremy@gmail.com ⚯ https://yeger.info/

Experience

VoiSmart
Software Developer
Milan, Italy / In Office + Remote
Nov 2024 - Present

Developed scalable backend services using Elixir and Python and designed APIs with OpenAPI. I containerized applications with Docker, orchestrated them with Kubernetes, and managed PostgreSQL databases, securing them with Keycloak. Additionally, I worked on AI/ML features, utilizing technologies like LangChain, Ollama, llama.cpp, Unsloth, Whisper, Docling, and Milvus for model fine-tuning, execution, and vector search.

⚯ https://www.voismart.it/en/

San Bernardino - Istituto Salesiano
System Engineer and Teacher
Chiari, Italy
Feb 2024 - Sept 2024

I managed a diverse IT infrastructure utilizing Proxmox for virtualization and administered both Debian and Microsoft Server environments. My responsibilities included configuring and securing the network with OPNsense and FortiGate firewalls, managing network routers with UniFi, and implementing robust user authentication through FreeRADIUS with Unbound DNS. I oversaw device and user lifecycle management using Google Admin and Apple's MDM, and streamlined print services with MyQ.

In addition i had the opportunity to teach robotics and computer science fundamentals to students.

⚯ https://salesianichiari.it/

VoiSmart
Intern for Research and Development
Milan, Italy
Oct 2023 - June 2024

Conducted research and development focused on Hot Code Reloading / Dynamic Software Update (DSU) within the Erlang and Elixir ecosystem on the BEAM virtual machine. This involved exploring techniques to update running systems without downtime, a key feature of Erlang / OTP. My work aimed to understand how to apply these principles to change the behavior of a running process without any negative impact.

Practical experience with real-time communication technologies, implementing WebRTC for peer-to-peer audio and video streaming directly between browsers. I also integrated Google's Speech-to-Text API to provide real-time transcription of audio streams captured via WebRTC.

⚯ https://www.voismart.it/en/

Education

厦门大学 - Xiamen, China
Chinese Language
Language Program
2025-2026

Long-term language program in one of the best chinese universities. Spoken and written chinese classes.

University of Milan - Milan, Italy
Computer Science
Bachelor
2020 -2024

Bacheler in CS, classes ranged from Calcus to Operating Systems and SDLC.

Sorbonne Univeristy - Paris, France
Computer Science
Erasmus / Exchange
2022 - 2023

Followed more then 10 CS classes in French language, in particular about OOP, Algorithms and LP.

Liceo Copernico - Brescia, Italy
Scientific ESABAC
High School
2015-2020

Dual Diploma Program: Italian and French.

Languages

English	Italian	French	Chinese Mandarin	Arabic / Algerian
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