

Curriculum Vitae

Summary

I am an experienced Senior Developer and Software Architect with over 25 years in the IT industry, currently working at Alten Spa in Rome. I have developed expertise across diverse technology stacks including cloud platforms (AWS, Google Cloud), microservices architectures, and modern development frameworks. Throughout my career, I have successfully delivered solutions for major clients across various sectors, including telecommunications (Vodafone), travel (Eden Viaggi), gaming (BetBull), and infrastructure (Terna).

My career has progressed from System Administrator to Software Architect, with notable experience establishing technical innovation teams and providing technology leadership. I am a strong advocate for open source technologies and have developed a deep understanding of community-driven development processes. I am passionate about technology innovation, usability, and continuously advancing my productivity and work quality through emerging technologies.

Experience

Senior Developer, Alten Spa; Rome, IT – 2022-current

Client	Pediod	Product	Technologies
Zucchetti	2025	Application Asset Management	k8s, java, spring boot, microservices, mssql
Giuffré	2025	Analisi riferimenti normativi	aws, k8s, java, spring boot, microservices, postgres, rabbitmq, helm, ai
Datamars	2025	Datasphere	kafka, java, spring boot, postgres
Maggioli	2023-2025	Ticket management	gcloud, kafka streams, java, spring boot, microservices, mongodb
Aruba	2023	Overhauled billing system	k8s, kafka streams, java, spring boot, microservices, prometheus, grafana
Paydo	2022	Plick, payment service	aws, lambda, s3, sqs, typescript, nodejs

Senior Developer, Dedagroup Spa; Rome, IT – 2020-2021

Client	Pediod	Product	Technologies
Terna	2020-2021	Electrical power infrastructure web monitoring console	k8s, iot, java, oracle, spring boot, microservices

Software Architect, Nexse Srl; Rome, IT – 2003-2019

Established in 2000 by five shareholders, Nexse was employing more than a hundred IT professionals until it was acquired in 2018. In this company I've covered different roles: system administrator, teacher, senior developer and eventually software architect.

Client	Period	Product	Technologies
Eden Viaggi	2015-2018	Product Catalog, Flight Cache, New Travel Agents' Portal, Hotel Connectors	java, osgi, fuse, orientdb
Vodafone Automotive	2014-2015	Fleet Portal	java, osgi, fuse, oracle
Postecom	2013	Portale dell'Automobilista	liferay, java, oracle, portlet
Betbull	2011-2012	Betting platform	scala, java, neo4j
Nexse	2011	Established a Task Force called SWAT (Software Architecture and Technology) with the objective of producing internal tech counseling and to diffuse innovation through teaching and tutoring	
Gioco Digitale (Bwin Italia)	2009-2011	Gaming platforms, AAMS (the state gaming monopoly) and resellers integration	jboss, j2ee, osgi, karaf, spring boot, microservices, oracle
Matrix (LA7)	2007-2009	LA7 Carta Più	j2ee, oracle
Tin.it	2005-2007	AAA apache modules, Alice, platform for provisioning, delivery and accounting of digital content	java, c, apache
Sun Microsystems	2004-2005	Putty Smart Card authentication, assessment and load testing of a CRM J2EE platform	c, putty, openssh, pkcs11
Wind	2003-2004	Empower Interactive UK MMS gateway server	solaris, sun cluster

System Administrator, TPS Srl; Rome, IT — 2000-2003

A medium-sized company with two offices in Rome, TPS gave me the opportunity to advance my knowledge of networks as well as advanced web development.

Teacher, IAL; Frosinone, IT — 1999-2000

IAL is a Regional Training Institute where I held courses on Multimedia Content Editing, Networking and the Internet.

System Administrator, FlashNet Srl; Frosinone, IT — 1996-2000

One of the first Internet Service Providers operating in Italy, FlashNet had a dial-up access node with hundreds of users in Frosinone. I operated the Unix servers and checked the operation of network services. I also participated in a development group of three-tier web applications.

Skills

Since the very beginning of my professional career, I've mainly worked with open source software, which has given me a better understanding of its community, processes and strengths. I am passionate about technology, innovation and usability, and I'm always on the lookout for new ways to advance my productivity and the quality of my work.

Know-How

- AI
 - CoPilot, Claude Code, Cursor, ChatGPT, Perplexity, Gemini, MCP
- Protocols and Network Analysis Tools
 - TCP, IP, UDP, ICMP, ARP, DHCP, DNS, POP3, SMTP, HTTP, SSL, TLS, SSH, N-Map, Wireshark, NetCat, HPing, STunnel
- Programming
 - Languages
 - TypeScript, C, Java, Rust, Scala, Groovy, Objective-C, Perl, Python, PHP, sh/bash scripting, JavaScript
 - Framework, Libraries
 - Node.js, Spring, Spring Boot, Spring Cloud, RabbitMQ, Camel, ActiveMQ, CXF, OSGi, SOAP/Jaxws, REST/Jaxrs, JMS, XML, DTD, XML Schema, JSON, JSP/Servlet, EJB, Cocoa
- Cloud
 - AWS: CDK, CloudFormation, Lambda, EC2, S3, EBS, VPC, RDS, Route 53, ELB, CloudWatch, SNS, SQS, Systems Manager, ...
 - Google Cloud
- Persistence
 - RDBMS Design (E-R), Oracle, PL/SQL, MySQL, Postgres, SQL, Hibernate, JPA, Spring Data, JDBC, Voldemort, Perl/DBI, BerkeleyDB
- NoSQL
 - MongoDB, Redis, Elasticsearch, Neo4j, OrientDB
- Virtualization
 - Docker, Kubernetes, Helm, Openshift, Podman
- Server Software

- Bind, Postfix, Dhcpd, Apache Httpd, Tomcat, Nginx, Kafka, JBoss AS, Weblogic, Artemis/ActiveMQ, ServiceMix/Karaf/Fabric, Sun Cluster, OpenLDAP
 - IDE and Editors
 - IntelliJ IDEA, Visual Studio Code, XCode, Eclipse, neovim, XEmacs
 - Build, Continuous Integration, Deployment, Quality Control
 - NPM, Yarn, Maven, Gitlab, Nexus, Hudson/Jenkins, Puppet, Sonar, Gradle, Ant, GNU make
 - Versioning Tools
 - Git, Mercurial, Subversion
 - Operating Systems
 - Linux, Mac OS X, Windows, iOS, Android
-

Document Information

This document was downloaded from <https://mirkocaserta.com/pages/cv.pdf>

Generated at 2025-08-31 02:36:55 UTC