



# MARCO ROMAGNOLO

## SOFTWARE ENGINEER

I am Senior Architect @ [Sisal s.p.a](#)

Senior computer engineer with over 20 years of experience in software development using java. Skilled in analyzing and solving complex problems, optimizing performance, and implementing best practices for software development, with a deep understanding of software engineering principles, agile/scrum methodologies, and devops.

Dedicated to continuous professional development and the search for innovative solutions to meet business needs. Specialized in creating scalable, robust, and optimized applications for various platforms, with advanced expertise in major programming languages (java, python, c++). Capable of designing microservices-oriented architectures, integration with legacy systems, and cloud-native solutions.

Year of Birth 1985

Residence Italy, Rome

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Software Analysis & Development, Backend Software Development , Application Server, Dev Frameworks Microservices, Web Design & UX Improvement, Code reviews & best practices consultation.



Software Architecture Design, Scalability, Code Robustness, and Software Maintainaibility. Microservices architectures, Cloud-native approaches, or traditional Monolithic structures.



System performance, Software optimization, SEO, Ranking, advanced analytics and reporting, page speed, core web vitals optimization.

## EDUCATION

### 2018 University Degree

Computer Engineering @ [Guillermo Marconi University](#) of Rome

Final Exam: Development and Analysis of distributed applications, Java Enterprise

### 2004 High School Graduation

Electronic and Telecommunications @ [ITIS Antonio Meucci](#) of Rome

Electronic, Telecommunications, Information Technology, Systems, Technic Drawing

## EXPERIENCE

### Senior Software Architect

2018-08 – Now (Italy, Rome) @ [Sisal Spa](#)

#### Projects

Software Architecture Design, Development/Maintenance/Bug-Fixing/Code Testing, Documentation, and Deployment from Staging to Production environments.

Frontend/Backend software development in the Betting domain. Cloud architecture design with a focus on maximum scalability, enterprise resource optimization, and performance analysis.

Development and customization of Continuous Integration/Delivery (CI/CD) processes in DevOps environments.

#### Technologies

Kubernetes, Java19, Spring Boot Applications, Microservices, Docker, Oracle Cloud, REST WS, Hazelcast, Hibernate, Spring Framework, Apache Kafka, Java JEE, Oracle Weblogic, Oracle Database, Jenkins, Jira, Git, ArgoCD, Linux, Apache, NGINX.

## SKILLS

### Software Architecture

Object Oriented Programming  
Microservices  
Webservices: REST, SOAP  
TDD & DDD paradigms  
Programming Design Patterns  
Agile & SCRUM

### Java 5 - 19

Spring Boot  
Spring Framework  
Hibernate  
Oracle Weblogic: EJB, JMS,  
JPA, JDBC

### Python 3

Flask  
Django  
Scikit-learn

### C / C++

## CERTIFICATES

### 2015 Oracle Certified Professional, Java SE 7 Programmer II

1Z0-804 Java SE 7 Programmer II

Java Class Design - Advanced Class Design - Object-Oriented Design Principles - Generics and Collections - String Processing - Exceptions and Assertions - Java I/O Fundamentals - Java File I/O (NIO.2) - Building Database Applications with JDBC - Threads - Concurrency - Localization

### 2014 Oracle Certified Associate, Java SE 7 Programmer I

1Z0-803 Java SE 7 Programmer I

Java Basics - Working With Java Data Types - Using Operators and Decision Constructs - Creating and Using Arrays - Using Loop Constructs - Working with Methods and Encapsulation - Working with Inheritance - Handling Exceptions

### 2007 Sun Certified System Administrator for the Solaris 9 operating system

SA239

CX-310-014 Sun Certified System Administrator for the Solaris 9 Operating System (sa239)  
Manage file systems, Install software, Perform system boot procedures, Perform user and security administration, Manage network printers and system processes, Perform system backups and restores

## EXPERIENCE

### Senior Software Engineer

2012-07 to 2018-08 (Rome, Italy) @ [Proxima Informatica Spa](#)

#### Customer

IGT Gaming & Lottery

#### Projects

Development of Adapters for a proprietary Wallet for third parties, web portal development, CI/CD Delivery, DevOps, Team Leader, and Delivery Manager.

#### Technologies

Java EE, REST/SOAP WS, EJB3, JTA, JDBC, JSP/Servlet, Hazelcast, Hibernate, Spring Framework, AWS, Weblogic, Oracle Database, Coherence, MongoDB, Jenkins, Jira, Confluence, Gitflow, Continuous Integration, HTML5, Javascript, JQuery, Bootstrap CSS, NodeJs, AngularJs.

### Programmer

2011-06 to 2012-07 (Rome, Italy) @ [Accenture Spa](#)

#### Customer

Postemobile, Poste Italiane, ISTAT

#### Projects

Development of a platform for reporting the distribution of parcels across Italy for the 2011 census. Creation of tools for automation testing. Development of an administration panel for monitoring. Development of online mail services.

#### Technologies

Java EE, Oracle Database, PL/SQL, Mysql, SOAP Webservice, Hibernate, Batch ETL, JBoss, Linux bash.

### Web Programmer

2010-12 to 2011-04 (Rome, Italy) @ [Euweb Srl](#)

#### Projects

Web Service Provider Development

Company website and CMS e-commerce platform. Administration and Service maintenance.

#### Technologies

PHP, HTML, CSS, Javascript, JQuery, Apache, Mysql, Linux, Sendmail, Postfix, Bind

## SKILLS

### Golang

### Assembly

### Databases

Mysql, Oracle Database, PostgreSQL, Redis, MongoDB, Elasticsearch, SQLite, MariaDB, Neo4J, OrientDB, H2, Hazelcast

### Web Development

HML5, CSS3, Javascript, JQuery  
PHP: WordPress, Symphony, Drupal  
Frontend Framework: ReactJS, Angular JS

### DevOps

Kubernetes, Docker  
OCI, AWS, Google Cloud, Azure  
CI/CD: Jenkins, ArgoCD  
Git, SVN

### Cyber Security

Application Security: OWASP  
Encryption and Cryptography  
Networking Security  
Penetration Test

### Office & Graphics

Adobe Photoshop, Illustrator, Gimp, Microsoft Office, Libre Office, Open Office

## CERTIFICATES

### 2006 Cisco Certified Networking Associated

*CCNA 640-801*

Networking Fundamentals:  
OSI/TCP-IP models, Ethernet, IP  
addressing, subnetting, basic  
switching/routing, and network  
design.

Routing Fundamentals: Router  
setup, static/dynamic routing,  
RIP/IGRP, and access lists.

Advanced Routing/Switching:  
OSPF, IGRP, VLANs, trunking, and  
inter-VLAN routing.

WAN Technologies: PPP, ISDN,  
Frame Relay, NAT, PAT, DHCP, and  
WAN basics.

Security: Secure access models,  
authentication, firewalls, VPNs,  
intrusion detection, and  
encryption.

IP Telephony: PSTN, VoIP basics, IP  
signaling, and QoS.

### 2003 Course of "HTML Languages"

*Html, CSS e Javascript.*

Web site development agency  
presentation.

## EXPERIENCE

### Web Programmer

2008-10 to 2010-12 (Rome, Italy) @ Bricobravo Srl

#### Projects

Technical Manager and Administrator of the  
company's IT system. Development of a custom CMS  
for online product sales, including affiliate  
management, advertising, and marketing.  
Coordination of a team of graphic designers.

#### Technologies

PHP, Apache, MySQL, Linux, HTML, CSS, JavaScript,  
jQuery, PhpMyAdmin.

System / Networking Admin and Web Designer.

### Web Designer

2006-03 to 2008-10 (Rome, Italy) @ Ithum Srl

#### Network Configuration:

Router, Switch, Firewall, IDS, centralized antivirus  
systems.

#### Linux Installation and Configuration:

Apache, FTP, Bind, Postfix, Sendmail, LDAP.

#### Windows Server Installation and Configuration:

Active Directory, IIS.

#### Technologies

PHP, Drupal, Joomla, Moodle, HTML, CSS, JavaScript

## SKILLS

## PRIVACY POLICY

In compliance with the Italian legislative Decree no. 196 dated 30/06/2003, I hereby  
authorize you to use and process my personal details contained in this document.