



Michele Di Noia

Senior Software Engineer / Integration Expert

As a seasoned technical professional with over 15 years of experience in analyzing, designing, and developing enterprise IT solutions, I have a proven track record of success in the banking and electronic payment industry. My expertise lies in analyzing complex business scenarios and driving automation and optimization of business processes through the design, development, and integration of IT services.

I am a dedicated IT researcher with a talent for finding straightforward solutions to complex challenges having a strong focus on meeting the needs of clients. I promote a continuous improvement approach to meeting the challenges inherent in implementing and managing a services-based environment for enterprises.

WORK EXPERIENCE

Senior Software Engineer

February 2021 – February 2023

Credit Suisse / Contractor on behalf of TEKsystems SA (Allegis Group), Zurich, CH

Senior Software Engineer member Credit Risk IT team providing credit-related services to the entire bank. In my role I am responsible for designing, developing, and delivering modern web and mobile systems to enable bank employees and bank customers to measure and manage credits, mortgage and loans both for private and for corporate clients.

Working closely with Solution Architects, IT Owners and Requirements Engineers I continuously contribute to design and to code several intranet and internet applications.

My team is responsible to maintain and extend a critical rest API consumed by several internal applications and from the mobile banking app used by bank's customers.

Solution Architect / Lead Developer / Senior Software Engineer

October 2013 – January 2021

Comer Banca SA Lugano (TI) / Consultant on behalf of Bemit SA

As Solution Architect and Software Engineer, I've analysed and designed several enterprise applications, including mobile apps, websites, and internal processes. I've played a crucial role in the development of a new card management system, replacing legacy processes that were built on a mainframe. I've specified, planned and act modifications to meet the requirements of a new card management system. I've also contributed to the research and development of the company by defining the technology stack and proposing effective solutions to deliver modern solution saving costs and time.

As Software Developer, I have been responsible for the end-to-end development, implementation, and testing of Java-based systems, ranging from intranet and internet applications to online and batch applications. During my tenure, I have accomplished the following:

- Successfully resolved high availability issues on existing applications, ensuring continued functionality and performance.
- Managed ordinary issues and requests on a set of applications, maintaining a consistent and high level of service for users.
- Integrated disparate and heterogeneous systems using an ESB, ensuring seamless communication and data transfer.
- Conducted advanced secure coding reviews on existing web applications, following OWASP best practices to ensure robust security measures are in place.

I was main contributor of designing and developing an event bus system (ESB) capable of integrating multiple systems (such as websites and mobile applications) with the core CMS functions. For a brief period, I contributed to the functional and technical analysis of several banking systems, collecting business and technical requirements for a big initiative aimed to migrate all mainframe processes to a new CRM platform.

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SKILLS

Technical Analysis
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Problem-solving
●●●●

Teamworking
●●●●

Agile Methodology
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TECHNICAL SKILLS

Languages:

Java 8, Java 11, JS, Python

Application Server:

Weblogic, IBM Websphere, Jboss AS

Database:

PostgreSql, MySQL, IBM DB2, Oracle

CI & CD: Jenkins, Jira, Confluence, SonarQube

AWS Services: Amplify, Cognito, ElasticBeanStalk, EC2 and related service

EDUCATION

Agile Cert 2021: SAFe 5 - Scaled Agile Framework Certified Practitioner

SW Architect Cert 2014: Pega BPM - Certified System Architect (CSA)

Bachelor's degree 2006 – 2009 in Computer Science
Università degli studi di Bari
110/110 with honours

LANGUAGES

Italian: Native proficiency

English: B1/B2

Furthermore, I have extensive experience working in a continuous integration model, utilizing Jenkins to automate the entire software lifecycle, including building, testing, and deploying software. These achievements demonstrate my ability to develop innovative solutions and deliver consistent results while maintaining a high level of quality and security in all aspects of software development.

Senior Java Developer

2010 – 2013

*Corner Banca SA Lugano (TI) / Consultant on behalf of **FinconGroup AG**, Lugano (TI)*

In my role as a key team member for the implementation of a new mobile/web solution that delivers credit card services to external partners in a B2B capacity, I was responsible for the development and integration of the portal API. Specifically, my main duties included:

- Architected and documented the service integration layer of the portal as an integration expert.
- Contributed to the development of several server components using Camel, CXF, and OSGI as a software engineer.
- Supported all departments in the use and monitoring of the service as a subject matter expert of the product.
- Implemented unit tests using Mockito and Hamcrest, as well as integration tests using IBM Jazz, SOAP UI, and JMeter as a tester.

Overall, my contributions were critical to the successful development, integration, and deployment of the new solution for electronic payments.

Researcher / Lead Developer

2009 – 2010

I&T Sistemi s.r.l. – Trento, ITA

As a Researcher and Technical Lead for a research project in the SESA project (Semantic Enabled Service Architecture), my main goal was to introduce ontologies and semantically manage the business process composition, execution, and monitoring. My research focused on enhancing business processes with ontological assertions about context, such as domain objects, planned strategy, procedures, people involved, and service-level agreements (SLAs). This allowed the system to model and execute business processes grounded as orchestrated services on an ESB infrastructure.

I used various technologies, such as BPEL, BPMN, jBPM, OSGi services, Eclipse RCP, EMF, SCA, STP-IM, and Enterprise Service Bus (Apache ServiceMix, FuseESB, Spagic OSGi),

As a result of my contributions, the project successfully introduced ontologies and semantically managed the business process composition, execution, and monitoring, which provided significant benefits in terms of efficiency, accuracy, and effectiveness.

Previous working experiences

2007 – 2010

From September 2007 to August 2009, I worked as a Software Engineer for Fimesan s.p.a. where I contributed into implementation of a service-oriented system to enable e-health services for easy communication of patient data among different healthcare professionals. The system was based on J2EE technologies such as JSP, JSTL, and SERVLET, and utilized an Oracle 10g SQL and PLSQL database. I developed an XML engine to parse, render, validate, and extract data from large XML documents, focusing on syntactic and semantic validation languages (XSD, Schematron, Relax NG) and data object binding via JAXB.

From September 2006 to August 2007, I worked as a Java Junior Developer at IBM Italia (Bari) on behalf of ICT Exhicon s.r.l. In this role, I contributed to several banking projects by participating in software development. I was involved in replacing masks and logics built on Oracle Forms with a new client-server architecture using RCP Eclipse as a rich client. This project provided me with valuable experience and insights into the processes and technologies involved in modernizing legacy systems. It was an opportunity to apply my skills and knowledge in a real-world setting and to learn from experienced professionals in the industry.