Marco Giglione

Profile

I am a certified AWS solution architect and senior software developer with the passion for cloud distributed and highly scalable application development. I have a wealth of experience (more than 15 years) in the full software development life cycle and I enjoy managing teams and learning new technologies to bring on board for improving deliverable quality and for reducing time to market of products.

My focus is on java based microservices (spring boot, cloud and netflix stack) and AWS ecosystem and of course containerization with docker, compose, ECS and Kubernates.

Recently I started writing technical articles for dzone.com and they promoted me to "Most Evaluable Blogger".

Here some link to articles:

https://dzone.com/articles/unit-and-integration-tests-in-spring-boot-2
https://dzone.com/articles/event-streaming-using-spring-webflux

Over the past 5 years, since the beginning of work in Dedalus (ex Noemalife), I have been appointed as head of Bari office, thanks to technical background acquired during many years of consulting and leadership skills accrued during the Nextware company's management. Recently I moved to Olivetti (Tim) to enrich my know-how in a more cloud oriented organization.

I wish to join to cutting-edge company as cross team solution architect or Team Leader leading technical innovation to perusing new challenging opportunities.

What I can do for your organization

- Understand and resolve complex technical, strategic and business issues
- Define non-functional requirements
- Provide architectural guidance to the project team
- Apply Agile methodology to SDLC
- Collaborate with DevOps to define best build pipelines
- Identify and mitigate existing business risk or risks associated with solution architecture
- Review and approve project design & code deliverables
- Improve operational efficiencies through system automation
- Support HR in tech staffing and growing
- Do technology assessment and promote innovation
- Define guidelines for developers to improve code quality

Contacts

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Birthdate: 23/04/1979
Location: Bari (BA) ITALY

Skill Set

- **15+ years** experience with **Core Java SE 4-8 (Sun Certified Programmer)**.
- **Currently studying for Kubernetes CKAD**
- **Agile** development methodologies, **Scrum** and **TDD**.
- Excellent grasp of **OO design principles** and **Design Patterns**.
- Knowledge of **Multithreading** and **concurrency** in Java
- **Spring boot, spring data, spring MVC and Security** knowledge
- **AWS services: EC2, S3, ROUTE53, ECR, ELB, VPC, ALEXA**
- **Docker and Docker compose**
- **Web Services (Axis) and Rest Services (Resteasy and Jersey)**
- **Ejb 2 and 3**
- **Struts 1 and 2** strong experiences
- **10 years** expertise with **Swing** for building enterprise scale rich client applications.
- Unit testing with **JUnit3/4**
- **CDI (Weld e openwebbeans), with apache deltaspike**
- **Hibernate and JPA** with xml and annotations strong experiences
- Extensive use of **XML and JSON** technologies like **Dom, Sax, XmlBean and XStream.**
- Knowledge of a lot of common libraries**: Log4j, JavaMail, JFreeChart, JasperReport, Dozer and many Apache libraries**.
- Frontend technologies like **Angular 5**, **Angularjs, RequireJS and Bootstrap** experiences
- Databases with **SQL**, **JDBC, MySQL, Ms SqlServer and Oracle**.
- Environments **Eclipse IDE**
- Build lifecycle with **ANT with IVY and Maven**
- Source control with **Git**, **Subversion and CVS**
- BugTracking system with **JIRA**, **Mantis**,**Bugzilla**.

Career (only most significants)

NOTE: In my profile you will see overlapping periods, because I am often involved in different project during same years.

From Feb-2019-to today   **Cloud Architect**
Olivetti S.p.A. Tim Group
Permanent

In these few months in Olivetti I was in charge of carrying out technological assessment for improving business processes. I am been also involved in some devops task for digital marketplace "Tim Digital Store".

From Jun-2014-to Feb-2019   **Team Leader/ Head of EMR headquarter of Bari**

Dedalus S.p.A.   **Permanent**
- Design and development of a new application based on microservices for regional flows management.

Frontend Angular 5 and backend Spring Boot, Spring JPA, Spring Rest, Security (JWT) and integration with a Talend ESB Sever. System delivered as docker containers.

- Lead of development team of Order Entry system for healthcare services.
- Lead of development team of BI (Business Intelligence) application for reduce risk of CKD (Cronical Kidney Disease). Based on PENTAHO tool suite.

Both systems were made using a single page style typical stack made up by AngularJs and bootstrap on fe and
REST with EJB3 on be.

- Development of core angularjs components in foundation HTML5 framework used as baseline for further products developed by company. Karma was the test runner chosen for system development (with jasmine).
- Development of distributed enterprise applications (using the Java SE/EE/JBoss/Tomcat technologies) that act as middlewares between LIS (Laboratory Information System) and devices, using application level communication protocols such as HL7 and ASTM E1381/E1394. My responsibilities include designing, developing, tracking and managing issues and defining test suites with appropriate tools. I work in a team using the agile Scrum software development methodology.

Main technologies used in the period
- **J2SE and J2EE**
- **Rest services (Resteasy)**
- **EJB3**
- **JPA**
- **Junit**
- **Angular 5, Angularjs**
- **Requirejs**
- **Bootstrap**
- **Scrum, TDD**
- **Jenkins for CI**
- **Ant wih Ivy, Maven**
- **JIRA and JIRA Agile**

From Jan-2017-to today   Talent scout for technical profiles.
R-everse s.r.l.   **Contractor**

My role is to identify potential candidates and interview them by skype for understanding if they can suit customer needs

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Hivejobs s.r.l.   **Contractor**

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From Jan-2014-to today   Java mentor, team coaching Architect, DevOps
Eminds s.r.l.   **Contractor**

Eminds is a company involved in the development of software for tour operators. Actually, this software interoperates with about 40 tour different vendors providing facilities like: hotel, flight, car and rail search and booking.
As freelance, usually after 6 P.M. or during weekends, I provide support to internal development teams to reach their objective and to improve their skills. Sometimes it is required to develop some critical components and provide high and low level solution design.
I am currently leading the migration from a monolithic system to a microservices based one. I take care of set up the entire pipeline build based on BitBucket/Jenkins/Sonarqube and of the implementation of POC (often deployed to EC2 stack) to demonstrate the technical feasibility of the solutions I propose. Some technology used are Spring Boot, Spring Cloud Config Server, Eureka discovery, Docker and Docker compose, Amazon ECS, Spring WebFlux, Sleuth, ELK, and more
Previously I worked for them developing:
- A rule bases system for policy based tour based on DROOLS
- A new connector for a rail vendor defining in the same time a new pluggable architecture for future implementations. I used axis with xmlBean mapping under continuous integration with team city.
- A new functionality for quoting flights before booking them
- I designed the target architecture for the core middleware components (it will be implemented in next months)
- Some new connectors for different hotel and activities package vendors (bonotel, roomsxml, weekend in Florence, Hotelspro, FlexibleAuto etc..)

Main technologies used in the period
- **J2SE and J2EE**
- **Drools**
- **Spring Boot and Spring Cloud**
- **Aws**
- **Docker**
- **Scrum, TDD**
- **TeamCity and Jenkins for CI**

From 2004-To December 2014   Lead Java Developer
Nextware snc   **Owner**

Analysis, design and development of a software for gas distribution. I am involved in every aspect of it till to delivery. This software is integrated with one of the most famous Italian Erp systems delivered by Zucchetti called AdHoc Revolution. I developed almost all critical components of this software, from the acquisition of order to the invoice and integration with administrative part. I developed also a part on mobile devices for geolocalizing fleets and to deliver orders to the drivers, using Superwaba technology (a sort of subset of J2ME today replaced by android), directing access to COM ports for GPS data acquisition using NMEA protocol.

Main technologies used in the period
- **J2SE and J2EE**
- **Swing**
- **JUnit**
- **Scrum, TDD**
- **Superwaba**
- **NMEA protocol for GPS**
- **Ant** for build

- **Microsoft Sql Server** as database

From Jan-2010 to Dec-2012 Lead Java Developer
Nextware snc   **Owner**

Analysis, design and development of a web application for barters. I am involved in every aspect of it till delivery.
The system is very articulated and has a lot of functionalities like full text search with auto corrections of misspelled terms, like ebay "maybe you were looking for". I implemented in this system all critical components, like rest service and most complex user interfaces, using Struts 2 with Tiles and Struts2-Jquery plugin. I also developed a different business model for barters, like "direct swap", "three persons swap", and "swap using virtual credits". I developed the integration with Paypal system to buy virtual money.

Main technologies used in the period
- **Struts 2**
- **Spring Ioc and Security**
- **Rest Services** for backend
- **Hibernate** as ORM
- **Hibernate Search** for full text search
- **JUnit**
- **JavaMail, Cron and Velocity** form emails scheduling
- **Maven** for build
- **XStream** for marshalling/unmarshalling
- **JSON**
- **Paypal** system integration
- **MySql** as database

From Jan-2011 to Dec-2011   Java Trainer
Exprivia s.p.a, Studiodelta s.r.l.   **Trainer**

Teacher for java master course (Edition 5). Lessons were were organized in an first teoric presentation followed by a technical test on pc. 12 participants took place.
Teacher for on-site coursed delivered for Exprivia s.p.a. on base and web Java development. About 15 participants were involved.

From Aug-2009 to Jan-2011 J2EE Analyst Programmer
Lombardia Informatica   **Outsourcing**
- Analysis, design and development of a web application for the management of the register of "National Volunteer" of a region of Italy. I developed some forms and some backend to service the forms.

Main technologies used in the period
- **Struts 1**
- **Spring Ioc and Security**
- **EJB 3**
- **Hibernate**
- **Maven** for build
- **Oracle** as database

From Sep-2007 to Apr-2009   J2EE Analyst Programmer
ICT Technology   **Contractor**

Development of a system for batch management practices for ICT Telematics Technology for the chambers of commerce of Italy. I developed a component to search real estate brokers in Rome and a system for search and management of practices CUP using EJB3 and Struts2. The database is Oracle 9 and 10, while I used mainly as an application server Weblogic and JBoss

Main technologies used in the period
- **Struts 2**

- **Ejb 2**
- **Spring Ioc**
- **Hibernate**
- **Jboss and Websphere**
- **Oracle as database**

From Feb-2007 to Dec-2007   J2EE Analyst Programmer
I&T Servizi   **Contractor/Outsourcing**
Business Development function for the tourism board of Trent. Part of the activity was carried out in outsourcing to Bari and then completed at the customer, for integration. I developed some forms and some backend to service the forms.

Main technologies used in the period
- **Struts 1**
- **Ejb 3**
- **Spring Ioc**
- **Hibernate**
- **Jboss**
- **Oracle as database**

From 2007 to December 2013   Java Architect
Eminds srl   **Outsourcing**
I developed some web services for flight and hotel search and booking.
All communication is based on XML OTA (industry standard).
I designed all the architecture of the system, and I developed all critical components of the middleware like Controllers, assemblers etc.. Using multithreading and concurrency. I used a lot of XML manipulation to extract then merge parts of results provided by about 60 different vendors delivering a single response message in a little time. I only developed the backend system, no front end for this project.
I developed also a module for them to define roles for business travel: for example an employee (not manager) could only reserve hotel between 1 and 3 stars. I defined the Grammar with Javacc and developed main part of the system.

Main technologies used in the period
- **Web Services**
- **Multithreading and concurrency**
- **Apache Axis**
- **XmlBean**
- **Hibernate**
- **Tomcat**
- **Sybase as database**
- **Javacc**

2003   Java Trainer
I&T servizi   **Trainer**

Teacher for java core and web course (Edition 5). Lessons were delivered every Saturday and were organized in an first teoric presentation followed by a technical test on pc. 15 participants took place.

Jan. 2002 to Dec. 2004   Lead Java Developer
Department of computer science of University of Bari
Contractor

I was the lead java developer for the team of Bari for the European research project Fairsnet. I make a graphical tool for visual data mining, integrated with the analysis tool for data warehouse "Microstrategy" taking advantage of some of the advanced visualization techniques like "Table Lenses". During the project, I become systems integrator for all the various components of the system and become the primary interface with the European partners. The release brings me a week in Germany to work shoulder to shoulder with the GMD

Main technologies used in the period
- **J2SE**
- **Swing**
- **Rdf**
- **Xml**
- **Java Web Start and Applet**
- **Web Services with Axis**
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Education
2006   **Sun Educational Center**
Sun certified java programmer
1997-2002   **University Of Computer Science of Bari**
Bachelor Degree in computer science 1998-2000

Interests
My main interest outside job is my daughter Emma. She is my life. I have interest in new technologies, Enterprise architectures and reef aquariums.
I made some electronic projects with the use of Arduino board based on C++ programming language.