

Gaetano Piazzolla

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Passionate, Reliable, and Skilled **Lead Software Engineer** with strong knowledge and experience in Java, Spring Boot Framework, databases, CI/CD processes, Angular, React, Docker, and K8S. CKAD Certified. SAFe certified. Good technical skills and soft skills: leadership, communication, listening, teamwork, and collaboration. Strong tendencies toward optimization of development processes. Strong motivational and team-building skills. Capable of mentoring Junior Developers. Technical Blogger.

Relevant work experience

Feb-2022 - Till now (May-2022)

Senior Developer, EPAM Systems, <http://www.epam.com>;

Customer: SoFi - Money Core Experience Team;

Project: SoFi's goal is to provide alternative student loans, mortgages, credit cards, and banking services to customers who are no longer interested in the traditional banking system. They offer a wide variety of products that offer lower interest rates and higher returns than traditional banks.;

Team Size: 6 developers, 1 Manager, 1 Web resource, 2 Android developers;

Project Role: Software Engineer, DevOps Engineer, Test Engineer;

Tasks performed: I entered the team as a developer. Through my expertise and effort, I'm slowly gaining ground, and having more responsibility. Currently, my tasks involve bug fixing, vulnerability fixing, analyzing monitoring metrics, and defining new SLOs. Generic development and maintenance of scalable REST APIs, and deployments to a Docker/Kubernetes-based platform. Integration and unit testing. DevOps tasks as defining new GitLab pipeline flow to include sonar analysis and merge request decorations.

Environment: Postgres, Snowflake DW, - Java 11 and Kotlin, K8s, Docker, Kafka, Junit, Gradle, Gitlab pipelines, Jira, Snyk / Cortex / Datadog.

Jan-2020 - Feb-2022

Senior Dev II, DXC Italy, <https://dxc.com/>;

Customer: Italian Government - Ministero della Salute - Regione Campania;

Project: Covid19 Vaccine registration and adhesion portal.

<https://adesionevaccinazioni.soresa.it/adesione/cittadino> - <https://cv19vaccinazione.cdp-sanita.soresa.it>

A well-engineered microservice-based (~20microservices) web application, exposed on the internet, capable of serving hundreds of simultaneous requests. It's a Database intensive application. Several external APIs were orchestrated and exposed through the KONG API gateway.;

Team Size: 6 devs, 1 pm, 2 QA, 3 Architects, 1 Senior Architect;

Project Role: Technical and Team Leader;

Tasks performed:

- Performed technical management and project management tasks;

- Organized the planning process using agile methodologies using TRELLO boards; requirements analysis and enucleation in micro-tasks;
- Coached and mentored junior developers;
- Performed several Technical interviews for the company;
- Performed code quality analysis & architecture design, Code and Architecture review (which brought to several huge refactors);
- Promoted shared technological assets and libraries shared among different teams in the organization;
- API design, development, documentation, and technical and architectural documents and diagrams. Realized several documents to promote knowledge transfer inside the team.;
- Performance testing (using JMETER and K6 tool) and guided enhancement following those assessments;
- Exposing APIs to the external world using KONG and KONGA as an external Gateway;
- Several POC proposed developed and shipped to production (real-time notification, caching using HAZELCAST, automated code generation for boilerplate code);

Environment: PostgreSQL, - Gitlab, Nexus, Minio, Sentry, Neo4j, Elastic, LogStash, Kibana, Grafana, Prometheus, Hazelcast, Couchdb, Kong (Nginx) + Konga, KeyCloack, Kubernetes, Docker, Mirt, node & npm, angular + RxJs + TypeScript, bootstrap, webpack, Gradle / maven, spring boot, spring-cloud, spring-security, JPA, hibernate;

Jan-2020 - Dec-2021

Senior Developer II, DXC Italy, <https://dxc.com/>;

Customer: Italy Government - Ministero delle Finanze ;

Project: MEF 2.0 A Web application used to handle the signing and validation of documents for the Ministero Economia e Finanze. Web application deployed onto a Wildfly EAP 7.0 cluster. React JS SPA frontend served through Apache HTTPD. Contains also a custom application for authentication and profiling of users, built using Spring security.;

Team Size: 4 Developers, 1 Team lead, 2 Functional Analysts, 1 PM;

Project Role: Architect and Team Lead;

Tasks performed:

- Designed, Analyzed, and developed from scratch a portal in ReactJS served by Spring-based API.;
- Requirement analysis and enucleation in micro-task.;
- Direct contact with the customer, proposing suitable technical solutions for the needs at play;
- Performed Technical Interviews for the company;
- Mentoring and tutoring of less experienced developers;
- Security Vulnerability fixes, through reports provided by the customer cybersecurity team;
- SonarQube configuration analysis and subsequent inherent fixes;
- Code refactoring, enhancement for reuse, code review, and peer programming;
- Sharing expertise and knowledge transfer with the aim of several Ad-Hoc "HOW-TO" Development Documents;
- Using Jenkins to build and deploy in a testing environment a "DEMO" solution of the application to perform tests in a shared environment;

Environment: Oracle, Wildfly EAP 7.0, - Java - Spring Boot, Spring Security, Spring WEB, React JS, QUARTZ, J2EE, Tomcat;

Feb-2017 - Jan-2020

Software Developer, Dedalus SPA, <https://www.dedalus.com/italy/it/>;

Customer: Dedalus SPA ;

Project: C4C collaboration for care- an electronic health record (EHR). J2EE application, using EJB for dependency injection. Frontend realized in AngularJS using a homemade framework of web components shared among teams. The application was orchestrated through Docker-compose on AWS hosts.;

Team Size: 4 dev, 1 QA, 1 Team Leader, 1 Architect;

Project Role: Senior SW Analyst;

Tasks performed:

- Acted as a Senior Analyst Programmer of software for healthcare companies;
- Task Management using the JIRA platform;
- Actively participated in improving the project's processes;
- Tutoring tasks for less experienced developers;
- Development of various POC built to solve specific customer needs;
- Built a suite of performance testing using JMETER, included in the CI process of the project;
- Enhanced build times of frontend Docker images;
- Enhanced Size of Frontend BUNDLES using minification;
- Performed tasks in maintenance and enhancement of DevOps operations;

Environment: Oracle, - JasperServer, Wildfly management Console, Drools / JBPM, - Java 1.8, Ant + Ivy, Angular JS, Java EE, Docker, Wildfly

May-2014 - Feb-2017

Developer I, Noemalife SPA, <https://www.linkedin.com/company/noemalife/?originalSubdomain=it>;

Customer: Noemalife SPA ;

Project: DMCS - Data Model Core System. A core service that exposes all CRUD interfaces built on a well-structured oracle database to model ANY aspect of a Healthcare organization. This project is now the foundation of several applications. It has been well documented and heavily tested.;

Team Size: 4 Developers, 1 Team Leader;

Project Role: Junior Analyst;

Tasks performed:

- Acted as an Analyst Programmer of core services for a web application based on Java 2 Enterprise Edition's platform;
- Performance testing using JMeter;
- Slavishly followed TDD development;
- Wrote very good and easy to read JavaDoc;

Environment: Oracle, IDEs (Eclipse, web storm, etc.) Wildfly management console, JBPM designer, Java 1.7, J2EE, Wildfly, EJB.

Oct-2013 - Apr-2014

Internship, DES Design Engineering Solution SRL,
<https://www.poliba.it/impres-e-territorio/des-diagnostic-engineering-solutions-srl>;

Customer: DES Design Engineering Solution SRL;

Project: Analysis of the deformation of a material under NON DESTRUCTIVE testing using DIC. (Digital Image Correlation). This project was built in C++ and OpenCV, it is currently used and maintained in the company to execute analysis on videos. The main difficulty was the great dimension of those videos whose size ranged between 100 ~ 200 Gbs with millions of frames.;

Team Size: 1 Developer;

Project Role: Internship;

Tasks performed: Developed software for Digital Image Correlation; Worked on ideation and application of new techniques of experimental verification of results and enhancement of measurement for deformation of materials;

Environment: Basic FileSystem operations, Visual Studio and various IDEs, Matlab, - C++, OpenCV;

Sep-2013 - Oct-2013

Internship, Policlinico di Bari, <https://www.sanita.puglia.it/web/ospedalegiovannixxiii>;

Customer: Policlinico di Bari / Unità di PNEUMOLOGIA.;

Project: Policlinico di Bari - Analysis of a patient's hospital stay. Using Designing and testing Tools such as ARENA to find ways to increase the number of patients served from the hospital.;

Team Size: 1 Developer, 1 Manager;

Project Role: Internship;

Tasks performed: Analyzed and studied the « workflow » of a patient's hospital stay, trying to optimize how to increase the patient's flow.;

Environment: UML Designer, ARENA, BPM;

Education

Name of the Education Establishment: UNIVERSITY OF BARI ALDO MORO, ITALY

Faculty/College: Computer Science

Degree (diploma): Master (106 / 110)

Relevant Certificates

2022 – AWS Cloud practitioner (in progress)

2022 – SAFe5 Agilist

2021 – Linux Foundation: CKAD: Certified Kubernetes Application Developer

2010 – CompTIA Security+