GUSTAVO MARIN

SENIOR SOFTWARE ENGINEER

PERSONAL DETAILS

Nationality:	Italian / Argentinian
City:	Madrid, Spain
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HIGHLIGHTS

- 15+ years of experience in the software industry.
- Strong experience in backend development with different architecture layouts.
- Wide experience designing and implementing different apps, web apps, API first or cloud first.
- Full software development lifecycle experience.
- Strong analytical, debugging, and troubleshooting skills.
- Strong experience in a DevOps culture environment.
- Great team player and good mentor of teammates.
- Good knowledge of main frameworks on my tool-belt languages (Go, Node, Python).
- Open-source software development knowledge.
- Team management experience.
- Experience working in an agile work environment (Scrum or Kanban).
- Experience working with teams across different time zones.

PROFESIONAL PROFILE

I am a Senior Software Engineer with over 15 years of experience in analysis, design, development, testing and implementation of all kinds of software. From simple web apps, to API only services or Cloud first apps. Through all those years I've been working with lots different technologies and languages.

I have studied computer science at Universidad Tecnologica de Rosario, despite I did not get graduated, it provided me a solid theoretical background which suited perfectly with my working experience.

I am a passionate and enthusiastic developer, and I like to dedicate most of my time to code software. I'm self-taught and love to learn new things, from languages, architectures, and methodologies to improve my skills and the quality of my code. Also am a good team player,

giving always my best at doing thoughtful and constructive code reviews, on pair-programming sessions or sharing insights with colleagues.

Beside my good coding skills, I always like to have a wider view of any project that I'm working on. I like working on a dynamic environment, caring for the business needs and ways to deliver quality and on time, involved on technical decisions, and compromising the quality the less possible in order to have the best software. Always following the pragmatic "Done is better than perfect".

I always tend to focus on a main language for a deep dive, currently,it's Golang. Others pasts main languages where Node.JS and PHP.

TECHNICAL SKILLS

PROGRAMMING LANGUAGES

Golang	Expert
JavaScript & Node.JS	Expert
Python	Moderate
TypeScript	Basic
PHP	Advanced

PROGRAMMING FRAMEWORKS

Node: Express, Hapi, Nest, Mocha, Jest, Cucumber

JavaScript: Vue, Angular, React, Redux, Vuex, Ionic, lo-dash, jQuery

PHP: Symfony2, Smarty

DATABASES, MESSAGING & TOOLS

MySQL, PostgreSQL, Redis, Oracle

MongoDB, ElasticSearch

NATS Streaming, RabbitMQ, ZeroMQ, Kafka

GraphQL, Influx, Grafana

DEVOPS AND INFRA

Kubernetes, Helm, Operators, AWS

Docker, Docker-compose

GitOps, Gitlab CI, Github Actions

TRANSVERSAL SKILLS

- Work with different languages and dive on each of them when necessary.
- Ability to work with bleeding edge technologies that are new and/or in constant changes.
- Work with calm on stressful situations.
- Ability to work on a fast-paced environment.
- Share knowledge with coworkers through code reviews and pair programming.
- Passionate about testing.

WORK EXPERIENCE

Lead Consultant Developer | Senior Software Engineer
ThoughtWorks

Feb 2022 – Present

ThoughtWorks is a global software consultancy known for delivering innovative solutions through Agile and Lean methodologies.

Personio

Oct 2022 – present

Personio is a leading HR and payroll software provider based in Germany, I'm responsible for implementing complex proration rules in the payroll domain. Developing the related microservices in Kotlin and extracting functionality from a big PHP monolith.

- **Keywords**: Kotlin, gRPC, Cucumber, GitlabCI, Split.IO, Datadog.

Motability UK

Feb 2022 – Sep 2022

During my time as a DevOps Engineer at Motability, a national charity that provides vehicles and mobility solutions to disabled people in the UK, I was responsible for creating software solutions to help upgrade and migrate their cloud platform and improve the overall maintainability of their systems. I collaborated closely with the development team to implement best practices for continuous integration and deployment, as well as streamline their release process.

- **Keywords**: Golang, Node.JS, OpenShift, Shell Scripting, 1Password, ArgoCD, Jenkins, Groovy.

Technical Lead | Senior Software Engineer
Intelygenz

Sep 2014 – Jan 2022

Intelygenz is a service company, I started working here as Technical Team Lead for backend Node.JS projects. At that time, it was very innovative for companies to switch from other languages to Node.

Here I've always been involved on key projects for the company, participating on large projects where I could help on several aspects of the solutions we delivered to our clients. From technical decisions, to software architecture, and keeping coding good practices and quality through tests, code reviews and mentoring.

As a service company, I've been involved on several projects, this is a list of the most relevant:

Konstellation.io

Open-source software to build, deploy and evolve AI solutions at any scale. I have being involved in this project since its beginnings, helping the product owner to shape his vision into a viable MVP software, the architecture and its components, and later its final implementation.

This project is a great challenge, as there is no other specific software to help close the gap between science teams and developers and devops teams. As part of this project I am working on several phases, coding Golang services, designing the function as a service approach, as well as helping with the deep integration needed with Kubernetes services and APIs.

- **Keywords**: Golang, Node.JS, Python, REST, gRPC, GraphQL, MongoDB, NATS streaming, Kubernetes, GitOps, CI/CD, Machine Learning, MLOps.
- **Site**: https://www.konstellation.io

MetTel
Jan 2021 – Jun 2021

MetTel is a large USA telco. I participated on different projects related to process automation that involved some kind of machine learning models as Developer and MLOps. I helped integrate this AI solutions as part of a bigger ecosystem of microservices on Kubernetes, also setting monitor and maintenance of the services based on Konstellation.

- **Keywords**: Python, TDD, MongoDB, Redis, Kubernetes, CI/CD, Machine Learning, MLOps, shell scripting, Konstellation.io.

Celgene
Jun 2019 – Dec 2019

A big pharma company that delivers custom-made drugs for patients. I worked as developer and MLOps, helping de science team to take the code and machine learning model to production with the help of our own solution called Konstellation to help monitor and maintain the service in a production environment.

- **Keywords**: Python, TDD, MongoDB, Redis, Kubernetes, CI/CD, Machine Learning, MLOps, Konstellation.io.

X by Orange
Jan 2018 – Sep 2018

A startup minded subsidiary of the Orange Group in Spain, dedicated to promoting the growth of companies thanks to providing services based on a cloud architecture. This was a very large and ambitious project, I helped designing and implementing the

microservice architecture interconnected with an event driven system based on Apache Kafka to communicate the different domains. Here I was also part of the team in charge of defining and implementing E2E processes to ensure automation and interoperability between different components. I collaborated in the implementation of a DevOps culture to achieve a good CI/CD environment with shared responsibility over the software lifecycle.

- **Keywords**: Node.JS, TDD, E2E, MongoDB, Apache Kafka, Docker, Openshift, Infra as code, CI/CD.

Azlo
Dec 2016 – Jan 2018

This is a startup minded project created inside the BBVA USA incubator providing banking services to small businesses. I arrived to this project after the first MVP was done. I helped in refactoring the code and architecture to make it more robust and scalable. The code base grew to contain dozens of microservices to interact with BBVA APIs from legacy systems and provide better UI and services to end clients. This project involved lots of complex and interest challenges like integrating third party services, interacting with secure KVM storages, syncing data with BBVA storages, setup auto-scaling for app high demands.

- **Keywords**: Node.JS, TDD, E2E, MongoDB, API First, Cloud First, Kubernetes, Infra as code, GitOps, CI/CD.

Telepizza
Dec 2015 – Dec 2016

I was involved on creating a hybrid Ionic app, first as MVP and later a full app, for food order and delivery. This was made with Ionic, Angular and Node.JS, and Cucumber for e2e tests. The challenges were how to optimize the app for different environments (Android, iOS, phones or tablets), and to integrate several third party APIs. I also designed the e2e test system to cover all the main features in order to secure and automate production deployments.

- **Keywords**: Node.JS, Ionic, Angular, TDD, E2E.

Technical Team Lead
Apr 2014 – Aug 2014
NativeAD

In NativeAd I've worked as Development Team Lead helping to evolve the company product, a CMS and a JavaScript library to deliver branded content to high traffic sites like Terra.es, MSN.es, 20minutos.es. I designed and created this unobtrusive JavaScript third-party library coded with NodeJS and transpiled for browsers. Besides coding, I also had team leader responsibilities managing a group of developers, ensuring code quality and alignment

between business goals and code features, as well as responsibilities over the full software lifecycle (integrations, deployments, scalability).

- **Keywords**: JavaScript, Node.JS, MySQL, PHP, Symfony2, DevOps, shell scripting

Analyst & Developer
PRISA DIGITAL

Spain's leading company in production of digital news and information. One of my firsts task here was to improve the backend made with PHP and ExtJS. Also have helped design and develop new functionalities to the company's proprietary framework, both Javascript and PHP parts.

In 2009 I've worked as **Technical Lead** in the complete redesign and refactoring of**cuatro.com**, leading, deciding and coordinating efforts of a group of ten developers.

In 2011 worked in design and development of the VOD platform's security layer used by Canal+ video on demand feeds.

In 2012 was assigned to the **Push Notification project**. A cloud system to create, manage and deliver messages to several of the company apps. Involving innovative technologies as **AWS, RabbitMQ and cloud cluster management**.

Since 2013 I was involved in the development of Canal+ Web Live Streaming and VOD platform.

- **Keywords**: JavaScript, jQuery, ExtJS, XML, MySQL, PHP, Pear, Zend, shell scripting

Analyst & Developer
FIAT AUTO ESPAÑA

May 2002 - Jul 2006

International automotive group. In this company I was involved in FIAT's Link intranet on all phases of development from analysis through design, coding, testing, and implementation. This intranet application consisted of showroom sale, logistics control, stock control, sales & productivity reports and CRM. This was used by the dealer network in Spain. I also worked on the migration to the rest of European markets.

Also worked in design and development stages of aftersale and workshops application to control and benchmark car reparation processes. And developed several automated services to update the website with car and accessories data publicly on internet for the end-user.

- **Keywords**: PHP, Oracle, PL/SQL, XML, Soap, JavaScript, HTML

Senior Developer
Claxson Interactive

Oct 2000 - Jan 2002

Multimedia company, entertainment content provider worldwide. In this company I worked as Senior PHP developer. Involved in code migration from ASP to PHP and from MySQL to Oracle and PL/SQL. Also been involved in development of backend for content administration and a multilingual/multiplatform forum application.

- **Keywords**: php, mysql, oracle, pl/sql, zope, xml, javascript

Junior Developer
PowerSite Argentina

Jun 2000 - Oct 2000

Websites development company. In this company I worked as programmer in several customer websites, doing coding tasks, sql procedures, and proprietary framework development in PHP.

- **Keywords**: HTML, JavaScript, PHP, MySQL, PostgreSQL

Developer / Sys Admin
Zarcrom Argentina

Feb 1999 - May 2000

Web hosting company. In this company I worked as server administrator and technical support to our customers, performing administration tasks of Apache on Cobalt RAQ servers, new sites configuration, user and sites management, DNS configuration. Also performing as a webmaster for several of our customers and the company's main site in Argentina.

- **Keywords**: HTML, PHP, MySQL, Apache, Linux, shell scripting

EDUCATION

Ingeniería en Sistemas de Información
1995 - 1999

Universidad Tecnológica Nacional

Bachiller Técnico. Nivel Secundario.
1990 - 1994

Instituto Politécnico Superior

COMPLEMENTARY EDUCATION

GNU/Linux LPIC-1 Certification
2006

Instituto Novatech Madrid

This course includes: work at the Linux command line, maintenance tasks, backup &restore, install and configure a workstation, connect it to a LAN, printing, samba.

English technical translation
1994

Instituto Politécnico Superior

HOBBIES AND INTERESTS

- I love Tabletop RPG games, and I try lots of indie games (and some occasional D&D).
- Reading fantasy and/or science fiction.
- Woodworking, in contrast with all the "virtual" work, I like to relax giving new purpose to old wood.