

## SANTIAGO UMAÑA – SENIOR SOFTWARE ENGINEER

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### CONTACT INFORMATION

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### SUMMARY

- *IT professional with 9 years of experience in the software development industry, focus on backend development with hands-on work mainly on programming languages like java, kotlin and golang and some related frameworks to these languages.*
- *Experience building web applications, complex distributed systems and reactive systems, supplying the right solution for the given needs.*
- *Major areas of expertise: technical solution using the proper language for the proper situation, integration design, architectural patterns, design patterns, application troubleshooting and backend development, Devops.*
- *Business domains: I have experience working with banking, logistics, e-commerce, growth, customer support and reporting business domains, open to learn any other domains on my daily basis.*
- *Knowledgeable about the software development life cycle in all its phases working with Agile Methodologies like SCRUM.*
- *A collaborative and proficient team former, focussed on knowing all the aspects about the project that I'm working for, with attention to details and strong problem analysis skills and strong documentation skills.*
- *Certifications: Oracle Certified Associate Java SE 7 Programmer (2015), FluidAttacks Java Secure Developer (2016)*

### Skills and Awards:

- Languages: Java, Kotlin, Golang
- Technologies and Frameworks: Spring Framework (boot, data, jdbc, security, webflux, web, cloud, cache, batch, AOP), GinGonic, Gorilla Web Toolkit, RPC, Web Services (REST, SOAP), Hazelcast, Redis, Hibernate, JPA, Kubernetes, Amazon Web Services, Kubernetes, Docker, Helm.
- Tools: Maven, Gradle, Jira, Confluence, LucidChart, Miro, StarUML
- Operating Systems: Linux, MacOS, Windows
- Databases: PostgreSQL, Oracle, MySQL, MariaDB, BigQuery, Snowflake, RethinkDB, MongoDB, DynamoDB, AWS Aurora PostgreSQL, AWS RDS instances.
- Version Control Systems: GIT (Github, Bitbucket, Gitlab)
- IDEs: IntelliJ Idea Ultimate, Goland, Datagrip, Visual Studio Code, Webstorm, Eclipse (STS).
- Web/Application Servers: Jetty, Tomcat, Glassfish, Netty
- CI/CD: Jenkins, Azure devops, Spinnaker, Github Actions
- Methodologies: Agile (SCRUM / KANBAN)

### WORK EXPERIENCE

### May 2022 - Present

**Customer:** *Epam Systems is a technology company that offers software engineering services for software development and digital platforms, its engineering solutions include engineering excellence, product development, core technologies and assurance, IoT and others.*

**Project:** *Air Reservations at [Expedia Group](#), the project is to work for all the projects involved on the flights reservations flow for expedia group, that is a crucial part of the core business of the company.*

**Team Size:** *16 Software Engineers, 1 Principal Software Engineer, 1 Software Engineering Manager, 1 Program Manager*

#### **Project Role:**

- *As a senior software engineer I have to deliver quality code, using the best practices and giving attention to details, principally working on the migration of all the services of the flight reservations team to a new computing runtime platform that improves the process of development and deployment of the company.*

#### **Tasks performed:**

- Migrating services to the new compute platform developed with kubernetes and helmcharts.
- Investigation and documentation of the whole migration process for the further migration to the new compute runtime platform for the other teams.
- Responsible for taking the best decisions in terms of development technology and architectural design of the applications that I was developing new features.
- Leading initiatives and development using Java and some amazon web services.
- Monitoring and troubleshooting.

**Environment:** *Java, Spring Framework, PostgreSQL, SQL Server, JUnit, Mockito, Maven, GIT, RESTful web services, hibernate, Docker, Splunk, Datadog, PagerDuty, DynamoDB, Kubernetes, Kiali, HelmChart, Crossplane, AWS SQS, AWS IAM, AWS STS.*

### Apr 2021 - May 2022 - Senior Software Engineer, MercadoLibre

**Customer:** *LatinAmerican e-commerce company, with more than 20 years in the industry in all latin-america, it has multiple verticals all involved in the banking area and e-commerce, the mail product is the e-commerce platform and the payments account and gateway.*

**Project:** *At the Seller Experience Vertical of the company, a former of the Reporting team at this vertical, this team helps with the creation of reports for the sellers that helps to settle their movements from their sales with their platforms, it has other reports that can be used by buyers too.*

**Team Size:** *24 developers, 3 Project managers, 2 UX Designers, 2 UX Writers*

#### **Project Role:**

- *As a senior software developer I had to work on features over the different projects that we maintained at the reporting team. We had to execute integration tests and functional tests by ourselves because MercadoLibre doesn't have testers teams, so all the tests were the responsibility of the developers.*

#### **Tasks performed:**

- Provided support and guidance over product development to the team members wherever needed.
- Troubleshooting and support over the multiple applications that the team owns, making investigations about the detected performance issues.

- Developed a component that is responsible to develop new features to generate bank statement reports on multiple countries in LatinAmerica.
- Responsible for taking the best decisions in terms of development technology and architectural design of the applications that I was developing new features.
- Backend developer focused on golang and java, sometimes i had to develop frontend features with react js.

**Environment:** Golang, Java, Groovy, Javascript, Spring Framework, React JS, MySQL, Oracle, JUnit, Mockito, Maven, Gradle, GIT, GinGonic, RESTful web services, hibernate, jdbc, Docker, Kibana, Datadog, Opsgenie, NewRelic, Elasticache, S3 buckets.

#### Oct 2019 - Apr 2021 - Senior Backend Developer, Rappi

**Customer:** Rappi its an e-commerce & food delivery app with millions of customers on the LatinAmerican continent, providing multiple services through their application, rappi its one of the fastest growing companies from LatinAmerica in the last years.

**Project:** CMR Growth, at the growth vertical of the company the main product of the company is Growth CMR, its an application that had the responsibility to manage all the features that can make the company growth, to reach various segments of users based on communications, coupons, local and global offers and managing the relations with the influencers that were affiliated to the influencers program of Rappi.

**Team Size:** 16 Backend/Fullstack Developers, 3 QA Engineers, 1 Product Manager, 3 Tech Leads, 2 Data Analytics Engineers, 2 DBA.

#### **Project Role:**

- As Senior Backend Developer in rappi i had to work on the features related to the CAP on the Growth CMS communications, i had to develop all the features related to set a limit over the communications that the product owners created on the application, limiting the number of messages that can be sent in a time fragment and to a determined users. i had to create Airflow DAGs with python in order to migrate and process data to another campaign application that was used to create push notification campaigns called Braze, i was responsible for making changes over the services gateway that was developed in javascript with node js.

#### **Tasks performed:**

- Give help to other developers whenever needed.
- Give support over existing applications, communication with the product owners in order to attend all the needs that they had about the communications restrictions.
- Create Apache Airflow DAGs in order to migrate push notification campaigns to the Braze application.
- Troubleshooting.
- Communication with the braze team in order to synchronize all the changes for the rappi braze campaigns features.
- Unit testing, functional and integration testing over current applications.
- Improving the code whenever it's possible taking care of the features that I was working on.

**Environment:** Kotlin, Spring Framework, Snowflake data lake, PostgreSQL, MySQL, Kafka, Node JS, Python Apache airflow, Astronomer, Junit, Reactive toolkits, Spring Webflux, Reactor, RXKotlin, Docker, OpsGenie, Kibanna, Datadog, Redis.

#### May 2019 - oct 2020 - Java Backend Developer, Accenture

**Customer:** Bancolombia, one of the biggest banks of Colombia with millions of transactions per day.

**Project:** Payments QR v2, this project was about to develop the payment QR generation, the customers portal where the QR payments will be available for settle with the customers, the growth platform to track all the sellers that acquired the QR for his business, the connection with the feed that processes the movements from IBM Iseries applications to the QR transaction core in AWS.

**Team Size:** 6 developers, 2 testers, 1 product manager, 1 devops engineer, 1 DBA

#### **Project Role:**

- Java Backend Developer and Key Developer, in charge to guide the developers and create the application architecture in company of the software architect of the bank, i had the responsibility to review the other developers code, taking application decisions, creating AWS infrastructure for new projects in company of the devops engineer, have a well known concept about the main product and the next steps to perform the get a better product.

#### **Tasks performed:**

- Key Developer, in charge to guide the developers on what technology to use on every feature of the product.
- Develop new features over the main product.
- Hands on the project infrastructure with the companion of the devops engineer.
- Troubleshooting.
- Database troubleshooting and query performance analysis with the DBA.
- Communication with the product owners in order to synchronize the developed features with the product vision.
- Communication with the bank software engineer and cloud areas for requirement making or explaining sessions.

**Environment:** Java, Spring framework, RxJava, Reactor, Netty, Aws SQS, Aws SNS, Aws Cloudwatch, Aurora Postgresql, Oracle, Aws RDS, Aws Cloudformation, Redis, Aws S3 Buckets.

#### Jan 2018 - Jan 2019 - Backend Software Developer, Vertical Technologies Medellin.

**Customer:** Vertical technologies, rapicredits its a company that is dedicated to do bank loans in a shorter scale only from the web page.

**Project:** Vertical Chatbot Builder, Rappicredits v2 Backend

**Team Size:** 3 Backend Developers, 1 Tech Lead, 1 Front end Developer, 1 Project Manager, 1 Business Analyst, 1 Devops engineer.

#### **Project Role:**

- As a backend developer I should build the necessary Rest Web Services for the rapicredits backend and the main product of the company were chatbots using telegram, whatsapp and facebook messenger.

#### **Tasks performed:**

- Developed the rapicredits backend v2.

- Communication with the stakeholders to attend to their needs over the product.
- Communication with the front end team in India to align the backend features with the front end development of rapicredits v2.
- Develop part of the core of the chatbot builder, that was an application that generated chatbots from a json with javascript steps that were reed from a java application.

**Environment:** Java, Javascript, Spring Framework, Reactor, JUnit, Mockito, Docker, Docker Swarm, Vertx, PostgreSQL.

Apr Aug 2016 - Dec 2017 - Software Developer, Plusystem Medellin

**Customer:** Universidad de medellín (a private university from medellin), Lito (a company dedicated to electronics recycling)

**Project:** CPP was an application to control the stock and register the material processed by each employee from the company to take control of how much material was processed on, Udem postgraduate flow made on a BPMN application called ProcessMaker.

**Team Size:** 2 Developers

**Project Role:**

- As a Software developer I must get a solution for some of the projects that I worked for, developing using a stack of java, golang and mysql databases.

**Tasks performed:**

- Develop the CPP backend using golang with gorilla web toolkit.
- Develop the CPP mobile application for android with java.
- Develop the front-end with AngularJs for the process maker flow integration.
- Communication with the CPP stakeholders in order to align the needed features.

**Environment:** Golang, Java, MySQL, Javascript, Gorilla Toolkit, Thymeleaf, Linux Servers.

## EDUCATION

**Name of the Education Establishment:** Universidad de medellín

**Faculty/College:** Software Engineering

**Degree (Diploma):** In course

**Specialty:** N/A

**Name of the Education Establishment:** Politecnico Jaime Izasa

**Faculty/College:** Software Engineering

**Degree (Diploma):** Technician

**Specialty:** Software Development

**Trainings/Courses:**

- Advanced Kotlin Programming (O'reilly by hadi hariri)

- Introduction to kotlin Programming (O'reilly by hadi hariri)
- PostgreSQL High Performance Cookbook
- Regular Expressions Cookbook
- Aspect oriented programming with Spring AOP and AspectJ (Pluralsight)
- Introduction to UML (pluralsight)
- TDD with JUnit 5 (pluralsight)
- Java Fundamentals: The core Platform (Pluralsight)

**Certificates:**

- Certificate associate Java SE7 Programmer 2015 (1Z0-803)
- Java Web Secure Developer 2016 (ECSP-Java)