

# JESUS AGUILAR

SOFTWARE ENGINEER

## PROFILE

I'm a software engineer with proven experience in designing and building full-stack applications using Angular and React on the frontend, and Java, Scala and Python on the backend using SQL and NoSQL databases.

## SKILLS

### Coding Languages

Java, Scala, Python, C++, C#,  
JavaScript, TypeScript,  
HTML/CSS

### Frameworks/Systems/Libraries

Spring, Play Framework, Akka,  
React, Angular, Linux, Docker,  
Kafka, MongoDB

## HOW TO REACH ME

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## EDUCATION

### Universidad Nacional de Asunción - Paraguay

Computer Science Engineer |  
2010 - 2015

## CAREER SUMMARY

### Scala Developer

Scalac - RallyHealt - UnitedHealth Group | Dec. 2020 to present

- Working remotely as a Software Engineer to design and develop new microservices, implement new features, fix bugs, refactor, and maintain codebases, while striving for 100% unit test coverage, improving architecture, and standardizing code components. I participate in daily meetings with team members from around the world to discuss technical details such as design, architecture, and research. I'm also involved in code review and pair programming.
- Workflow used git, GitHub, JFrog, JIRA, Jenkins and Kubernetes.
- Technologies used Scala, Play Framework, Akka, Cats, ZIO, ScalaTest, Apache Kafka, fs2 for kafka and s3, postgresql, MongoDB.

### Senior Software Engineer

Oktana Corp - WW International | Feb. 2019 to Nov. 2020

- Working remotely as a Software Engineer to implement new features, fix bugs, refactor, and maintain codebases, while striving for 100% unit test coverage, improving architecture, and standardizing code components. I participate in daily meetings with team members from around the world to discuss technical details such as architecture, design, and research. I'm also involved in code review and pair programming on a daily basis.
- Workflow used git, GitHub, Amazon S3 for library artifacts, JIRA, Quay and GC Artifact Registry, Travis CI and TriggerCtl (a wrapper around the kubernetes APIs, with Trigger Conventions in mind).
- Technologies used Scala, Play Framework, Akka, Cats, Mockito, PowerMock, ScalaTest, Apache Kafka, Nginx, MongoDB, Cassandra.

### Freelance Consultant and Technical Lead

Xionict SA | Jun. 2018 to present

- Technical lead and project manager for many of the firm's projects in the banking and health sectors, accompanying clients all the way through from project inception to production.
- Workflow used git, GitLab, JFrog, Jenkins, Amazon EC2 and DigitalOcean IaaS.
- Technologies used Java, Spring Boot, Google Guava, Mockito, Scala, Play Framework, Akka, Python, Django, TypeScript, Angular, Ionic, Rabbit MQ, MongoDB and PostgreSQL.

### Software Engineer

Equifax | Mar. 2018 to Jan. 2019

- Software Engineer to help with migration and reengineering of the platform (decision model machine to infer results based on datasource). I research and developed a new project to test java models in batch mode, grouping results in reports. I solved key problems with the old platform.
- Workflow used git, Bitbucket, JIRA, Tomcat.
- Technologies used Java, Scala, Spark, JUnit, Python, Tomcat, Sybase and Oracle.

### Freelance Consultant Software Engineer

Nucleo SA - Personal Paraguay | Feb. 2018 to Jul. 2018

- Consultant Software Engineer for design a solution to integrate API from a core message system with a control platform for VAS message services (subscription, on-demand and mixed for SMS and WAP content).
- Workflow used git, GitLab, Redmine, Tomcat.
- Technologies used Java, JAX-RS, JUnit, Apache HTTP Server, Docker, PostgreSQL.

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## CAREER SUMMARY - CONTINUED

### Senior Full-Stack Engineer

CDS - Centro de Desarrollo Sostenible SA | May. 2016 to Feb. 2018

- Senior Full-Stack Engineer designing and developing new features in existing software and collaborating with the reengineering of new platforms where scalable solutions for financial sector were researched, designed and implemented.
- Workflow used **git**, **GitLab**, **Redmine**, **Jenkins**, **Tomcat**, **Wildfly**.
- Technologies used **HTML**, **CSS**, **JavaScript**, **JSP**, **JSF**, **Angular 2**, **Java**, **Spring Boot**, **REStEasy**, **JAX-RS**, **JUnit**, **Mockito**, **PowerMock**, **Scala**, **Play Framework**, **Mockito**, **C#**, **Docker**, **Postgresql** and **DB2**.

### Software Engineer and Project Lead

PSLine SA | Mar. 2014 to May. 2016

- I was trained and certified in Paderborn, Germany in both **CRS System** and **Probase/C Systems Engineering**. I was also trained in **ATS Systems Engineering** in Austin, USA. I lead and guided a team to design and develop **CEN/XFS** (extensions for financial services) based applications for Wincor Nixdorf ATM's using the **XFS SDK** from the manufacturer.
- Workflow used **git**, **GitLab**, **Redmine**, **Tomcat**, **Apache HTTP Server**.
- Technologies used **AngularJS**, **WebSockets**, **Java**, **Spring MVC**, **JUnit**, **C/C++**, **Postgresql**.

### Full-Stack Developer

Consultora SinComillas - LJ Software SRL | Dec. 2012 to Feb. 2014

- Full-Stack Developer maintaining and creating new features for desktop apps on Windows with **.NET** and **C#**, and for Linux with **Java** using **Swing** and **JavaFX**.
- Created mobile apps with **Xamarin** (Android, iOS and Windows Phone), and others apps in native **Android**.
- Created a web application with **ASP.NET** and **IIS**.

## OTHER PROJECTS

- Scala backend project as POC of stack Play framework and MongoDB. <https://cutt.ly/5dbhIV7>
- Implementation of localstack services for local envs. <https://cutt.ly/mdbkco4>
- Java backend as little POC of SpringBoot with Postgresql. <https://cutt.ly/SdbkGTY>
- CNN model to detect IDs from Paraguay and other model for teeths from panoramic radiographs. <https://cutt.ly/hdbIca8>
- Samsung Galaxy Watch collaborative app to receive risk notifications based on risks zones. <https://cutt.ly/IdbIMQb>
- Java EE backend app implemented with jax-rs and MyBatis, tested with jmeter. <https://cutt.ly/FdbzcdL>
- AngularJS and Django, task manager application. <https://cutt.ly/YdbzBOD>
- Ionic app for social tracking and contact tracing to avoid COVID-19 infections. <https://cutt.ly/5dbxTnv>
- Design, develop and deploy for a mobile healthcare app stack: Flutter, Java, ReactJS. After a pilot made in public hospitals for Paraguay we publish an article for FACULDADE EVANGÉLICA MACKENZIE DO PARANÁ (FEMPAR). <https://cutt.ly/nKqlabI>
- Many solved competitive programming problems using C++ in ICPC Live Archive, a2oj.com, etc., to represent Universidad Nacional de Asunción in ACM-ICPC Latin America Regional Contest in 2012, 2013 and 2014.