# Yuliana Apaza

Arequipa, Perú

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## TECHNOLOGIES AND LANGUAGES

Languages: Python, Java, Javascript, SQL
Technologies/Tools: Linux, Docker, Git, Django, Spark, Spring, AWS (SQS, EMR, S3, Redshift, EC2), Jenkins, DataDog, Sentry.
Others: Software shipping using CI/CD, monitoring, unit testing, engineering best practices.

## WORK EXPERIENCE

### Software Engineer - Data                                         Jun 2021 – Present

*Belvo*                                                              *Barcelona, Spain (Remote)*

- Developed complex scraping pipelines via Python and Javascript to extract information from online banking websites.
- Performed network traffic analysis, inferred implicit APIs from web applications, and reverse-engineered authentication processes bypassing captchas, proxy detection, and TLS fingerprinting blocking.
- Stay on top of reliability by implementing monitoring solutions and stepping up to be "bug tracker master" on the team.
- Technologies: Python, Javascript, Docker, Kubernetes, DataDog, Sentry, AWS.

### Data Engineer                                                    Feb 2022 – July 2022

*Revelio Labs Inc. (Contract)*                                       *New York, USA (Remote)*

- Build large-scale, high-volume web scrapers extracting workforce data from public websites.
- Reverse engineer web applications with a deep understanding of web technologies, frameworks, and network protocols (HTML, Javascript, HTTP, etc)
- Implemented an automatic-data ingestion process to consume the extracted data from S3 to Redshift
- Processed and cleaned TBs of data using PySpark powered by AWS EMR.
- Technologies: Javascript, AWS Redshift, AWS EMR, AWS S3, Spark, Jenkins, Github Actions.

### Software Engineer II                                             Jan 2021 – Jun 2021

*Dynamic Devs (Contract)*                                            *Santiago, Chile (Remote)*

- Member of the backend team using GCP cloud technologies to deliver highly-scalable and reliable microservices.
- Technologies: Spring Framework, Google Cloud Platform, Gitlab CI/CD.

### Software Engineer - Data Extraction                              Sep 2019 – Jan 2021

*RetailCompass*                                                      *Santiago, Chile (Remote)*

- Developed web crawlers with Java to collect product data of international retail stores.
- Improved development time over 50% by creating a generic internal library to collect data from public VTEX APIs of stores.
- Proposed and led projects to solve performance issues during the data extraction phase using AWS technologies. The total extraction time dropped an average of 66%.
- Technologies: ElasticSearch, Kibana, Logstash, Grafana, Java, Spring Framework, Python, MySQL, AWS, Docker, Jenkins.

### Intern at Lightbend Inc.                                         May 2017 – Aug 2017

*Outreachy*                                                          *Global (Remote)*

- Selected by the main contributors of the open-source Lagom framework over other applicants around the world for an Outreachy internship.
- Worked on sample applications using Lagom (a framework for building reactive microservice systems in Java or Scala) and Cassandra database.
- Attended the Reactive Summit 2017 conference and workshop on Reactive Architecture sponsored by Lightbend Inc. in Austin - TX to continue my learning about distributed microservices.
- Technologies: Lagom Framework, Java, Scala, Cassandra, Play Framework.

## EDUCATION

### Universidad Nacional de San Agustín                              Apr. 2012 – Jan 2017

*Bachelor of Science in Systems Engineering (equiv. Computer Science).*   *Arequipa, Perú*

- Granted with Beca18 scholarship by my national government to outstanding high school students.
- Graduated top 20% of my class.

## PROJECTS AND RESEARCH WORK

**Online Auction System**: An open-source sample application to help developers learn Lagom framework.
**Minesweeper in Smalltalk**: A fun project built to strengthen my pure object-oriented programming muscles.
**ZOODEX**: An interactive book using augmented reality for education purposes. Our research group received a grant from my university which fully funded our work from 2017 to 2019. As a result, I received national media coverage for my outstanding work.
**Research publications**: Published two scientific articles with the result of my experiments in Augmented Reality authoring tools.