# Mila Pacompia Machaca

Full Stack Developer

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Full Stack Developer with 4+ years working in web application software with Javascript, Typescript and Python. I consider myself as a continuous learner and I aspire to deliver legible, reliable and efficient software. I am looking for a remote position with new challenges and a collaborative team.

## EXPERIENCE

**Globant, NodeJS developer** — *June, 2022 - Present*

- I identified bugs in some queries in Splunk and reduced the complexity time from $O(n^2)$ to O(n) for one of those queries.
- I increased the reliability of software by refactoring code, adding test suites, and doing technical reviews and scannings of OSS used in client's products.
- I maintained projects and reduced the amount of user time on screen by at least 10 seconds to synchronize 7 subsystems.
- I reduced the response time by 10% and increased the reliability when replacing API calls with messages with websockets.

**Tech Stack:** Javascript, Typescript, DynamoDB, AWS, Splunk.

**Continuum** — *July, 2020 - June, 2022*

**Full Stack Developer** — *July, 2020 - June, 2022*

- I reduced development and testing time by detecting edge cases for complex operational flows opportunely.
- I improved frontend deliveries by performing extra testing (functional and regression tests) and proposing interfaces in web apps.
- I improved the response time of queries to the database by replacing slow raw scans with queries and global secondary indexes.
- I reduced the time in more than 50% of manual processes carried out by the administrative area for the vaccination schedule against Covid19 through the use of lambda functions for information processing and email queuing.
- I helped in the extraction of information for data analysis of the state of medical appointments and the state of videoconference of teleconsultations.

**Tech Stack:** Javascript, Typescript, DynamoDB, AWS.

**Tester** — *December, 2020 - January, 2021*

- I reduced code time by refactoring some utility methods for end-to-end tests with Cypress, allowing more reliable deliverables in less time (about 20% less time).
- I reduced the error rate on a clinical accreditation website by covering 80% of main functionalities with end-to-end testing implementation using Taiko.

**Tech Stack:** Cypress, Taiko, JMeter.

**Techgenies, Django developer** — *August, 2021 - March 2022*

- I reduced development time by automating Dynamodb model migrations in a Django project, allowing the development team to deploy changes faster and avoiding system crashes.
- I increased backend reliability by adding 50% unit tests, dockerizing, and setting continuous integration.
- I reduced the number of errors in a web platform in a staging environment by performing manual testing.

**Tech Stack:** Django, Postgres, DynamoDB, AWS.

**InkaLabs, Web developer** — *June, 2019 - July, 2020*

- I optimized the continuous integration time and versioning process by integrating MS-SQL server with a Django app, and by implementing scripts for the deployment and database migrations.
- I reduced more than 50% of bugs presented in a living application by giving support to it.
- I increased the number of features by implementing API services using Django Rest Framework.
- I reduced the number of bugs in a b2b platform built with ReactJS.

**Tech Stack:** Django, Postgres, ReactJS, AWS.

## PROJECTS

**System for managing local municipality taxes** – 2018

- I designed the database and implemented API services and frontend interfaces on-premise for managing taxes in a small municipality (~6500 inhabitants). I reduced the time of searching and generating reports by at least 90%.

**Tech Stack:** Django, Javascript, SQLite.

## SKILLS

**Programming Languages:** Advanced: Javascript, Typescript, Python; Intermediate: Java, C, C++, Unix/Bash; Basic: R, Matlab, Smalltalk.
**Frameworks Tools:** Advanced: ExpressJS, Serverless, Django REST, ReactJS; Intermediate: Cypress, Vue, JQuery; Basic: Angular, Spring Boot.
**Data Base:** Advanced: DynamoDB, Postgres; Intermediate: MySQL; Basic: MongoDB, MS-SQL.
**Software Design:** SOLID Principles, Design Patterns, Clean Architecture.
**Tools:** Git, VS Code, Postman, Swagger, Docker, JMeter, Virtual environment, Figma.
**Agile:** Scrum methodology, Jira, Confluence, Trello, Taiga, Miro.
**Languages**: Intermediate: English; Native: Spanish.

## EDUCATION

**Universidad Nacional de San Agustin** – Arequipa, Peru. *Systems Engineer, December 2019.*

## CERTIFICATIONS

**Fundamentals of Scalable Data Science** – Coursera. 2022.
**AWS Certified Cloud Practitioner**– Amazon Web Services. 2021.
**JMeter workshop for beginners** - Testing en Chile. 2021.
**HL7 FHIR: Principles and Fundamentals** - CENS Chile. 2021.