

Gabriel Cepeda Garcia

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Portfolio: <https://gceda.cloudfoliohub.com>

Professional Summary

- 3 years of Software Development experience.
- Specializing in Backend Development.
- Proficient in Java and Ruby programming languages, with a deep understanding of web development concepts.
- Extensive knowledge in writing Java Code.
- Proficient in gathering/analyzing business requirements.

Technical Skill set

- **Databases:** PostgreSQL, MySQL, Firebase, MongoDB, DynamoDB, CloudSQL.
- **Languages/Tools :** C, C++, Java (Spring MVC, Spring Boot, Hibernate, JPA, JMS, Spring Security, Spring Cloud), Python, Ruby (Ruby on Rails).
- **Cloud Tools :** Load Balancer (AWS Elastic Load Balancer, Google Cloud Load Balancing), Serverless (AWS Lambda, Google Cloud Functions, Cloud Run), EC2, S3, GCE, GCS, API Gateway
- **OS:** Windows, Linux.
- **Version Control:** Git
- **Containerization/orchestration:** Docker, Kubernetes

Education & Certifications

Computer Science Engineer

Pontificia Universidad Católica Madre y Maestra (PUCMM), Dominican Republic. (Sept 2020 – Jan 2025)

Data Science Specialization

Pontificia Universidad Católica Madre y Maestra (PUCMM), Dominican Republic. (Sept 2023 – Sept 2024)

Data Engineer Specialization with GCP

Smart Data, Peru (Jan 2024 – Apr 2024)

Work Experience

Data Engineer

Junio '24 to Present

Datanalítica, Santo Domingo, Dominican Republic

Datanalítica is a Dominican consulting company expert in intelligent solutions based on Business Analytics, Big Data and Advanced Analytics, in the Caribbean and Central America region, for private companies in the financial sector (Banking, Insurance, ARS's and other financial services), and companies in the public sector, particularly regulatory institutions and multilateral organizations.

Responsibilities:

- Migrate ETLs from IBM Cognos Data Manager to SAS Data Integration.
- Code with SAS Programming.
- Documentation of the physical and logical models.
- Data modeling with Erwin.

Technologies/Tools

Technologies: SAS Programming, SAS Data Integration, Erwin Data Modeler, Oracle.

Software Engineer I

May '23 to Jun '24

ORKAPI TECHNOLOGY, La Vega, Dominican Republic

Orkapi Technology is the leading company in the Dominican Republic's gambling games market with its software solutions. They offer their software as a service to the leading companies in the Dominican Republic's gambling industry, including Loteka, Lotedom, and La Primera.

Responsibilities:

- Designing, developing and implementing backend software solutions according to project requirements.
- Intercommunication between software systems to ensure interoperability and data exchange.
- Developing software solutions to automate internal business processes.
- Collaborating in planning software architecture for new projects.
- Utilizing Kibana for Data Visualization.

Technologies/Tools

Technologies: Java, Spring Boot, Ruby, Ruby on Rails, C, JMS, JPA, Hibernate, Docker, Git, MySql, PostgreSQL, Kibana, MongoDB, GraphQL, Rest API.

Platform: Web.

C Language Developer

May '22 to Sep '23

ORKAPI TECHNOLOGY, La Vega, Dominican Republic

Orkapi Technology is the leading company in the Dominican Republic's gambling games market with its software solutions. They offer their software as a service to the leading companies in the Dominican Republic's gambling industry, including Loteka, Lotedom, and La Primera.

Responsibilities:

- Designed and implemented embedded software solutions for POS applications.
- Code reviews to identify and resolve issues.
- Deploy periodic updates with bug fixes.
- Training and technical Support to customers utilizing the POS.

Technologies/Tools:**Technologies:** C Language, GIT, ClickUp.**Platform:** Embedded Applications.**QA Manual Tester****Jul '21 to May '22****ORKAPI TECHNOLOGY, La Vega, Dominican Republic**

Orkapi Technology is the leading company in the Dominican Republic's gambling games market with its software solutions. They offer their software as a service to the leading companies in the Dominican Republic's gambling industry, including Loteka, Lotedom, and La Primera.

Responsibilities:

- Developed comprehensive test strategies and detailed test cases based on software requirements and functional specifications.
- Monitored and data visualization to debug errors in the software.
- Performed manual testing to evaluate software functionality, usability, and performance.
- Verified and validated bug fixes before implementation to ensure software functionality.
- Provided suggestions for process improvement initiatives.
- Training and technical support to customers.

Technologies/Tools:**Tools:** ClickUp, WhatsApp Business**Most relevant projects**

Name: Flight Delay Prediction**Objective:**

The objective is to develop a predictive modeling system to accurately forecast flight delays, specifically for flights originating from and arriving in the Dominican Republic. By leveraging machine learning algorithms, the system aims to analyze a vast array of data, including weather conditions and operational factors, to identify patterns that contribute to delays. This will enable the provision of timely alerts and improve decision-making processes, ultimately enhancing the efficiency and reliability of air travel in the region. Additionally, a mobile application will be provided for clients, allowing them to consult detailed flight information such as weather conditions, flight routes, delay probabilities, and more. This will enable the provision of timely alerts and improve decision-making processes.

Responsibilities:

- Data collection and exploration
- Model development.
- Backend development.
- Architecture application.
- Database Management.
- Deployed to production.

Tools:

- **Programming languages:** Java 21, Python.
- **Front-end/Presentation:** Dart.
- **Frameworks:** JPA, Spring Boot, Spring Cloud, Flutter.
- **Design Pattern:** Microservices, MVC, DTO, Singleton.
- **Dependencies Manager:** Gradle.
- **Persistence provider:** Hibernate.
- **Database:** NoSql.
- **Server:** Apache Tomcat
- **IDE:** IntelliJ IDEA.
- **Version Controller:** Git
- **Others:** Security using Spring Security.

Duration: 6 Months

Name: Mockup API Web Application

Objective:

Create a mockup api web application with API layout to improve team workflows. This application allows team leaders to create REST API endpoints according to their specifications. They can customize various aspects including HTTP verb method, response headers, HTTP response status, content type, JSON response body, endpoint expiration, response time, and internationalization (i18n) to manage forms in multiple languages and the option of choosing verifies access to endpoints using JSON Web Token (JWT). This app benefits the business by making the front-end teams to operate autonomously from backend teams, thus minimizing dependencies and optimizing integration processes.

Responsibilities:

- Analyzed project requirements to translate business needs into technical specifications.
- Analyzed and designed of application flow.
- Designed of Software architecture.
- Designed and developed the entire backend.
- Integrated backend with the frontend using templated language.
- Deployed to production.
- Security of the application.

Tools:

- **Programming languages:** Java 21, JavaScript & Thymeleaf.
- **Front-end/Presentation:** HTML, CSS.
- **Frameworks:** JPA, Spring MVC.
- **Design Pattern:** MVC, DTO.
- **Dependencies Manager:** Gradle.
- **Persistence provider:** Hibernate.
- **Database:** MySQL.
- **Server:** Apache Tomcat
- **IDE:** IntelliJ IDEA.
- **Version Controller:** Git
- **Containerization:** Docker
- **Others:** Security using Spring Security.

Duration: 2 weeks

