

Andrés Yanquén

Software Developer

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Summary of Qualifications

Software engineer with 3 years' background with a passion for learning, designing, and developing innovative programs that accelerate the effectiveness of organizational success. Proficient in various platforms, programming languages, and frameworks such as JavaScript, Python, Linux, NGINX, Docker, AWS, React JS and Vue JS Node JS, Postgres, and MySQL. Detailed-oriented person, self-taught, and problem solver.

I have experience working with web applications, databases, and integrations using Python and JavaScript. These applications involved tasks such as creating dashboards and integrating with third-party services like Zapier, Google Analytics, and Notion. Additionally, I am familiar with two popular methodologies: Scrum and Kanban.

These projects have contributed to improving clients' conversion rates on the website according to the data tracked through one of the projects. This allows the company to add marketing campaigns and promos to keep users engaged with the website.

On the other hand, the main projects have been built for the dashboard. These projects have played a crucial role in helping the company track all relevant information related to its processes and saving this info for the future as well as a part of a government requirement. The other project was a dashboard with Google Analytics to track the number of tasks of all the engineers and their priorities. Allowing the project manager to be aware and receive alerts about the most important tasks.

In addition, I've worked on great projects for betting houses related to adding features that allow the user to be aware of the main bets of the day through cards with relevant information. Furthermore, I worked on a project centered around a streaming application.

In this role, I was responsible for creating the front-end side of the Progressive Web App (PWA), which included developing routes, implementing session validations, and establishing connections to the streaming service.

Skills	<div><div>Programming Languages/Technologies</div><ul style="list-style-type: none">▪ Software Architecture Engineering/Design Patterns▪ Technical Documentation/Architecture▪ JavaScript▪ XML/JSON/YAML▪ Java/ Android Studio▪ Python▪ Numpy/Pandas▪ HTML/CSS/Sass▪ SQL / NoSQL<div>RDBMS</div><ul style="list-style-type: none">▪ MySQL▪ PostgreSQL<div>NoSQL</div><ul style="list-style-type: none">▪ MongoDB▪ Firebase<div>Virtualization Tools</div><ul style="list-style-type: none">▪ Docker<div>Methodologies</div><ul style="list-style-type: none">▪ Scrum, Kanban▪ Pair Programming▪ Test Driven, Behavior Driven Development<div>Operating Systems</div><ul style="list-style-type: none">▪ Microsoft Windows▪ Linux▪ macOS</div> <div><div>Frameworks/Libraries</div><ul style="list-style-type: none">▪ React Js▪ Vue Js▪ Django▪ Selenium▪ Angular▪ Scala<div>Application/Web Servers</div><ul style="list-style-type: none">▪ Apache▪ Nginx<div>Cloud Providers</div><ul style="list-style-type: none">▪ AWS<div>Development Tools</div><ul style="list-style-type: none">▪ IntelliJ IDEA▪ Visual Studio▪ PyCharm▪ Conda<div>Testing Tools</div><ul style="list-style-type: none">▪ Postman▪ Insomnia REST<div>Hardware</div><ul style="list-style-type: none">▪ Network technologies▪ Different technological device</div>
Experience	<div><div>Payment process integration with the PayU platform</div><div>Project Description</div><p>Because of the lack of automation in the payment processes related to customers and shops, and the continuous human errors during these processes come up the requirement to implement a payment process with a company that supports all the payments. After deciding which company should manage the process, the requirement was set up and it was designed as a tool for the web management of the company.</p></div>

Customer	Betting house in Colombia
Involvement Duration	2 months
Project Role	Software Developer
Responsibilities	<ul style="list-style-type: none"> ▪ Architecture and design Integration with third-party API for the payment process ▪ Read the third-party API integration and define the technical process with the betting house databases. ▪ Estimation and prioritization ▪ Write the code to connect the service to the final customer and the betting house database. ▪ Development build and deployment scripts ▪ Product support and documentation maintenance
Project Team Size	2 team members
Tools & Technologies	PHP Angular PayU API MySQL Kanban Git Github
	Tracking candidates process
Project Description	The company had a system to track information about the recruitment process but it was simple without many functionalities to support the process. The requirement was to add two modules to increase the productivity of the recruiters, in this case, was to create a dashboard with all the possibles candidates regarding their proficiency in the required skill, enable some filters according to the information given by the candidate in the website and create a report for the HR manager with the pre-selected candidates.
Customer	Betting house in Colombia
Involvement Duration	3 months
Project Role	Software Developer
Responsibilities	<ul style="list-style-type: none"> ▪ Definition of Project structure to save info in the databases and show it ▪ Creation of queries for getting applicants' information to create the report ▪ Estimation and prioritization of tasks ▪ Test and deliver each completed module
Project Team Size	3
Tools & Technologies	PHP Angular MySQL Kanban Git Github
	Streaming App
Project Description	Participated in a front-end development of a Progressive Web App (PWA), implementing routes and session validations. Established reliable connections between the PWA and the streaming service. Optimized front-

	end performance to ensure smooth user interaction. Collaborated closely with functional teams to deliver a solution aligned with project goals.
Customer	Betting house in Colombia
Involvement Duration	4 months
Project Role	Software Developer
Responsibilities	<ul style="list-style-type: none"> ▪ Create a functional project from an Adobe XD project ▪ Creation of the project architecture for the front-end ▪ Connection to the streaming services through a third-party API ▪ Validation of user session for specific modules
Project Team Size	3
Tools & Technologies	Vue js PHP WordPress GIT Github
	Customer conversion rate per page
Project Description	<p>To effectively track the conversion channels of customers on the website's landing pages, I leveraged Django's functionalities for the existing project. For each landing page, I implemented a unique tag that allowed me to monitor user interactions and analyze the conversion rates. I set up tags within user sessions, enabling me to count the number of customers on each landing page.</p> <p>Furthermore, Django facilitated the storage of customer interactions in the database. With Django's ORM, I captured and saved relevant information about customer profiles and their interactions, ensuring data accuracy and consistency.</p> <p>To provide insights, I implemented these metrics in the existing project of Google Data Studio. This dashboard presented analytics, showcasing the conversion rate of each landing page, customer behavior, and conversion rates. These insights guided decisions on content enhancement or offering targeted discounts to attract more customers.</p>
Customer	US Recruiter company
Involvement Duration	5 months
Project Role	Software Engineer
Responsibilities	<ul style="list-style-type: none"> ▪ Define the architecture project. ▪ Test feature in the entire website ▪ Send an alert through the project to a Slack channel with the relevant information daily.
Project Team Size	2
Tools & Technologies	Python Django Javascript MySQL
	Tracking system for kanban methodology
Project Description	We had an issue with the information related to the Agile Methodology and the way to show the ETA's, priorities, and the department task in Google Data Studio. I created an integration with the Notion API through

	<p>Python to get the specific data to show it in the charts. This was a tricky project due to the lack of documentation from the Notion side and the specific queries that the Notion API uses to get the data. After the integration, I created a routine in Zapier to get the data daily in the mornings and be able to use them in the team meeting. As part of this period of time, I was involved in receiving and managing tickets related to platform issues, collaborating with the customer, in this case, the recruiters, and give context to the developer in charge of that part of the website.</p>
Customer	US Recruiter company
Involvement Duration	5 months
Project Role	Software Engineer
Responsibilities	<ul style="list-style-type: none">▪ Definition of architecture project▪ Read the documentation and define the specific functions to retrieve the data.▪ Create an Excel file and, as a backup, a database table to save the information and show it in Google Data Studio.▪ Create the dashboard in Google Data Studio to show 13 graphs related to the main metrics for all the tasks.▪ Create a routine in Zapier to call the endpoints to get the task information
Project Team Size	1
Tools & Technologies	Node Js, Zapier, Git Github
	Tracking system for debt collectors
Project Description	<p>To address the needs of the Department of Debt Collectors, I employed both React and Python in this project. Using React, I developed an intranet website that established a secure connection with bank databases to retrieve customer data. The website, powered by React components, offered a dynamic dashboard displaying the number of unpaid days for each customer's debts. With the help of Python, specifically the Celery library, I automated the data retrieval process for daily, weekly, and monthly intervals. To efficiently handle the data gathering and organization tasks, I made use of Python's powerful libraries, such as Pandas and Django. Using Pandas, I processed and manipulated data from various file formats like Excel, macros, and text files. The functionalities of Pandas allowed me to extract relevant information, perform data transformations, and structure the data in a suitable format for display. In addition, I integrated Python with the Django framework to build the backend of the intranet website. With Django's ORM (Object-Relational Mapping), I interacted with the database, retrieving customer data and ensuring data security through authentication and authorization mechanisms.</p> <p>This combined React and Python solution provided an efficient and user-friendly platform for debt tracking and management in accordance with bank rules.</p>

Customer	Bank in Colombia
Involvement Duration	6 months
Project Role	Intern
Responsibilities	<ul style="list-style-type: none"> ▪ Create queries to obtain users' information ▪ Create the website in the intranet for the department ▪ Define the views to show the customers information according the period of time (daily, weekly, monthly) ▪
Project Team Size	2
Tools & Technologies	Python Django React Impala Cloudera SQL Git Github Docker
Dashboard for Utility company metrics	
Project Description	<p>I built a dashboard using React, hooks, and Redux to fulfill a government requirement for the utility company. To tackle the task of gathering and organizing data from diverse sources, I employed specific Python functionalities. Using libraries like Pandas and openpyxl, I extracted and processed data from Excel files, allowing for easy manipulation and organization. By utilizing regular expressions (regex), I parsed and extracted relevant information from text files, ensuring accurate data retrieval. Additionally, with the help of Python's database connectivity, I accessed and retrieved data from the database, incorporating it into the organized display. Through the effective use of these Python functionalities, I successfully consolidated and presented the data in a structured and organized manner. With React components and hooks, I showcased indicators like quality, financial resources, and future incomes for the next 15 years creating functional and reusable components to follow the DRY principle. The dashboard followed the government's 28 points and presented the data neatly.</p>
Customer	A utility company in Colombia
Involvement Duration	6 months
Project Role	Python Programmer
Responsibilities	<ul style="list-style-type: none"> ▪ Receive requirements from the customer and clarify the main topics for the development. ▪ Define the architecture project. ▪ Deploy script in the customer servers. ▪ Test the website according to the years set on the government requirement.
Project Team Size	
Tools & Technologies	Python Django HTML CSS Javascript React NGINX

Certifications

AWS Cloud Quest: Cloud Practitioner
2023



Education

Electronic Engineer

Universidad Pedagógica y Tecnológica de Colombia (UPTC)
Boyacá
2021

Telecommunications Specialist

Universidad Pedagógica y Tecnológica de Colombia (UPTC)
Boyacá
2021