

José Luis Esteban Rodríguez González

Software Engineer



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Software Engineer based in the Netherlands 



Skills

Problem Solving

Adaptability

Team Work

Open Mindedness

Version Control

Coding Best Practices

Fast Learning

Object Oriented Programming



Work History

2024-05 - Current

Python Data Engineer

Rabobank, Netherlands

- API Development in Azure with Python
- Apache Airflow development
- Develop PowerApps UI to allow stakeholders to generate synthetic data
- Used faker to generate synthetic data
- Azure Data Factory
- Create and maintain Azure pipelines

Used Technologies: Python · Kubernetes · Apache Airflow · Azure · PowerApps

2023-11 - 2024-05

Python Devops Engineer

Rabobank, Netherlands

- Run, maintain and extend the Apache Airflow application on Kubernetes.
- Build and run the Apache Airflow scheduling and orchestration tool and its supporting components like, GitSync, the Windmill API and the notification app.
- Build new features: building new workflow sensors, building interfaces with Azure Data Factory, Azure Synapse and Azure Databricks.
- Create Python based applications that automate business processes. Examples include: REST API (Python, FastApi) for creating new user accounts. Azure Function that sends e-mails through Microsoft Graph API, event driven Azure Function for code synchronization between git repository and a target application.
- Implement using a CI/CD Azure DevOps, including static code analysis, static security tests and automated unit and integration tests.
- Manage the application in Azure environment using Azure Kubernetes Service, Azure Functions and Azure PostgreSQL

Used Technologies: Python · Kubernetes · Apache Airflow · Azure · Databricks · Windmill API · Splunk · Prometheus

2022-05 - 2023-11

Python Backend Engineer

Textkernel, Netherlands

- Crawl of thousands of websites on HR and Job industry to feed the Jobfeed product which is a big database of fresh vacancy postings in more than 15 countries all over the world.
- Working on more than 30 microservices written mostly in python.
- Designing and Implementing Rest APIs using FastAPI, Flask.

- Playing an effective role in designing microservices and monolithic apps.
- Maintaining a highly available environment implemented with Kubernetes and Docker.
- Working with TeamCity/GitLab and CI/CD solutions.
- Facing performance challenges due to the huge amount of data ready to be parsed.
- Tackling huge amounts of data in terms of queuing, storing, transferring, parsing and maintaining.
- Experiencing to work with an optimal cache environment like internal and external cache solutions.
- Scheduling tasks with celery, cron jobs and custom designed task scheduler.
- Working with proxies, IP rotation solutions, headless crawling, etc.
- Implementing and maintaining monitoring solutions like Prometheus and Grafana.
- Working with logging solutions such as Elasticsearch.
- Working on Linux (Ubuntu) for development and Production environments.
- Writing robust code with solid tests.
- Investigating new technologies for a better performance and more secure farm of microservices like Rustlang.

Used Technologies: Python · Kubernetes · TeamCity · Rustlang · Docker · Kafka · Ubuntu · MySQL · RabbitMQ · Rustlang · Linux · GitLab

2020-03 - 2022-05

Software Engineer

Framework Science, Mexico

- Designed architecture and chose stack for new platform based in Django 2.2 and PostgreSQL.
- Dockerized platform for local development.
- Lead backend team.
- Managed Google Cloud services such as App Engine and SQL cloud.
- Discussed project progress with customers, collected feedback on different stages and directly addressed concerns.
- Gathered and defined customer requirements to develop clear specifications for project plans.
- Consulted with engineering team members to determine system loads and develop improvement plans.
- Adjusted design parameters to boost performance and incorporate new features.
- Coordinated with the frontend team to integrate, evaluate and improve the platform.
- Met with project manager and team members to provide detailed project reports and milestone updates.
- Trained new developers and programmers on company standards for design and review.

2019-03 - 2020-03

Software Engineer

GoExpedi, Mexico

- As the very first national employee, helped to define development flow and methodologies.
- Maintained and extended E-Commerce platform based in Shuup and Django.
- Implemented communication between platforms through Redis.
- Lead backend team for Django based platform development.
- Discussed project progress with customers, collected feedback on different stages and directly addressed concerns.
- Consulted with engineering team members to determine system loads and develop improvement plans.
- Created and implemented development strategies for impactful projects.
- Adjusted design parameters to boost performance and incorporate new features.
- Consulted regularly with internal customers on application development project status, new project proposals and software-related technical issues.
- Met with project manager and team members to provide detailed project reports and milestone updates.
- Trained new developers and programmers on company standards for design and review.
- Conducted technical interviews for new potential employees.

Used technologies:

Python, AWS cloud, Akeneo, PostgreSQL, Redis, Django, Datadog, Docker,

2017-12 - 2019-03

Software Engineer

Unosquare, Mexico

- Developed DAGs for pipelines based on Apache Airflow and AWS Redshift.
- Improved performance by 40% incorporating binary libraries written in Golang with built-in ctypes interface in Python. In some cases, up to 200%
- Met with project manager and team members to provide detailed project reports and milestone updates.
- Consulted regularly with internal customers on application development project status, new project proposals and software-related technical issues.
- Developed new features for Django based platform.
- Learned React.js basics to participate on internal projects.

Used technologies:

Python, AWS cloud, Apache Airflow, MongoDB, ReactJS, DynamoDB, Django, Docker, BeautifulSoup,

2014-09 - 2017-11

Software Developer

ComproPago, Mexico

- Designed new product elements such as banking website scraping botnet for payment retrieval with Python, Flask, Pandas and AWS EC2.
- Found vulnerabilities of banking websites for payment retrieval.
- Developed microservices for payment retrieval.
- Developed Python modules.
- Collaborated with project managers to select ambitious, but realistic coding milestones on pre-release software project development.
- Revised, modularized and updated old code bases to modern development standards, reducing operating costs and improving functionality.
- Performed software testing to uncover bugs and troubleshoot issues prior to application launch.
- Coordinated with project management staff on platform development timelines and project scope.
- Contributed ideas and suggestions in team meetings and delivered updates on deadlines, designs and enhancements.
- Created test automation scripts written in Python.

Used technologies:

Python, AWS Lambda, AWS EC2, Flask, MongoDB, Redis, Pandas, DynamoDB, Selenium, BeautifulSoup, Docker

2014-10 - 2016-09

Jr. Software Developer

Diprow Solutions, Mexico

- Developed internal management systems and tools, such as cloud storage implementation, internal web pages and user's activity monitoring.
- Worked with end customers to understand needs and provide appropriate solutions.
- Participated in continuous improvement by generating suggestions, engaging in problem-solving activities to support teamwork.
- Maintained and repaired IT equipment to achieve operational readiness, safety and cleanliness.
- Asterisk server setup and monitoring.
- Network monitoring.

Used technologies:

Python, CherryPy, Linux, Asterisk, OwnCloud



Education

2007 - 2012

Computer Technical Degree (Vocational School)

CECyT 3 Estanislao Ramírez Ruíz - Mexico

- Specialized in Computer Science.
- Member of Theatre Club.
- Chess tournament finalist.

2012 - 2015

Computer Science

Escuela Superior De Cómputo IPN - CDMX

- Member of Free Software Users Association
- Member of Cybersecurity Association.

2024

Applied Artificial Intelligence

UI International University of Applied Sciences - Germany

- German Language Course



Accomplishments

- Found vulnerabilities in world-class bank websites, reported them and integrated company payments retrieval microservices through our services.
- Successfully completed CRM project within budget and ahead of schedule.
- Employee Number 1 at GoExpedi Mexico.
- Gave a workshop "Hacking with Python: Writing a Reverse Shell" at BSides GDL 2020



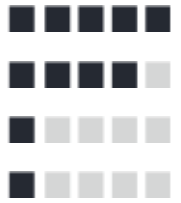
Affiliations

- Official Golang GDL staff member.
- Official PythonGDL staff member



Languages

Spanish
English
German
Dutch



Certifications

2014-03	Linux Administrator
2015-06	RHEL Administrator
2017-09	Management Skills Development
2020-07	High Performance Teams Management
2024-02	Cloud Computing Foundations



Interests

Clean energy
Space
Math
Software
Guitars
Music Production