

# José Luis Esteban Rodríguez González

## Software Engineer

 Tilburg, NL

 [Linkedin](#)

 +31 06 87665819

 [rodriguezjluis0@gmail.com](mailto:rodriguezjluis0@gmail.com)

Software Engineer based in the Netherlands 

## Skills

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Problem Solving

Adaptability

Team Work

Open Mindedness

Version Control

Coding Best Practices

Fast Learning

Object Oriented Programming



## Work History

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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



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

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- 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

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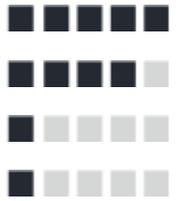
- Official Golang GDL staff member.
- Official PythonGDL staff member



## Languages

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Spanish  
English  
German  
Dutch



## Certifications

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- 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

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- Clean energy
- Space
- Math
- Software
- Guitars
- Music Production