| **José Luis Esteban Rodríguez González**Software Engineer

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|  |  Tilburg, NL |
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|  |  +31 06 87665819 |
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|  |  [Linkedin](https://www.linkedin.com/in/luis-esteban-rodriguez/) |
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|  |  rodriguezjluis0@gmail.com |
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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
* Created and maintain Azure pipelines
* Maintained data pipelines in Snowflake to analyze large volumes of data, SQL queries and reporting.

Used Technologies: Python · Kubernetes · Apache Airflow · Azure · PowerApps |
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| **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 |
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| **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 Promotheus 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 |
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| **2020-03** **- 2022-05** | **Software Engineer***Framework Science, Mexico** Designed architecture and chose stack for new platform based on Django 2.2 and PostgreSQL.
* Dockerized platform for local development.
* Lead the backend team from the very beginning of the project.
* Implemented Scrum methodology, performed peer reviewing and peer coding, hosted deployment parties to get team members involved in every step of the deployment process.
* 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.
* Onboarded and trained new developers and programmers on company standards for design and review.
* Developed an API with lambda and API Gateway in AWS to connect our services with existing ones.
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| **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 the backend team through the development of a platform intended to help managers to handle assets, people, set budget limits, etc.
* 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, |
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| **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, |
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| **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.
* Developed botnet infrastructure for the company bots in charge of retrieving payments on top of AWS cloud (S3, EC2, Lambda, RDS, etc)

Used technologies:Python, AWS Lambda, AWS EC2, Flask, MongoDB, Redis, Pandas. DynamoDB, Selenium, BautifulSoup, Docker |
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| **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 |
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|  | **Education** |
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| **2007** **- 2012** | **Computer Technical Degree (Vocational School)***CECyT 3 Estanislao Ramírez Ruíz - Mexico** Specialized in Computer Science.
* Member of Theatre Club.
* Chess tournament finalist.
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| **2012 - 2015** | **Computer Science** *Escuela Superior De Cómputo IPN - CDMX** Member of Free Software Users Association
* Member of Cybersecurity Association.
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| **2024** | **Applied Artificial Intelligence***UI International University of Applied Sciences - Germany** German Language Course
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|  | **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 |
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| **2015-06** | RHEL Administrator |
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| **2017-09** | Management Skills Development |
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| **2020-07****2024-02** | High Performance Teams ManagementCloud Computing Foundations |
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|  | **Interests** |
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Clean energy

Space

Math

Software

Guitars

Music Production