| **José Luis Esteban Rodríguez González**  Software Engineer   | |  | Tilburg, NL | | --- | --- |  |  | +31 06 87665819 | | --- | --- | | |  | [Linkedin](https://www.linkedin.com/in/luis-esteban-rodriguez/) | | --- | --- |  |  | [rodriguezjluis0@gmail.com](mailto: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 Management  Cloud Computing Foundations |
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|  | **Interests** |
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Clean energy

Space

Math

Software

Guitars

Music Production