



DAVID RODRÍGUEZ ALONSO

Software Developer

SKILLS

Python 2.5+ yrs



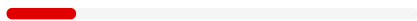
Linux 5+ yrs



Docker 2+ yrs



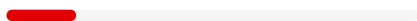
Golang 0.5+ yrs



Open Source Tools 2+ yrs



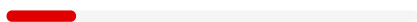
Flask 0.5+ yrs



Bash 3+ yrs



Javascript 0.5+ yrs



GIT 3+ yrs



CONTACT

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PROFILE

Ability to work in a team, commitment and collaboration with my teammates. I love programming, especially in Python. Open minded to learn new technologies and programming languages to keep growing.

High capacity for adaptation and understanding of the problem. Focused on making efficient, maintainable and scalable code. I try to learn best practices and I like to share what I know to my teammates.

WORK EXPERIENCE

[Ayscom] Backend Software developer

Sep 20 - NOW

Research and Development

Estimation, development and maintenance of projects with Python. Automations to save work for entire departments.

- Extract information from many different systems and databases, parse information and insert into other databases.
- Automated report generation with replication https calls and using API REST (vSphere, Salesforce, etc)
- Development of new automated scripts that helped people to be more efficient.
- Maintenance of existing scripts and improve them with new features.

Technologies include:

- Python, cron and Apache Airflow to automate scripts.
- Kafka used to handle huge amounts of data in distributed architecture.
- Apache Nifi to extract, transform and load data.
- Store data in ElasticSearch and visualize it with Kibana.
- Monitoring scripts with Elastic APM.
- Docker + Gitlab CI/CD + Kubernetes for 1-click deployments.
- Security integrations like use digital certificates.
- Easy and maintainable documentations.
- Bash scripts for users administration and automation.

Achievements include:

- Automated script that manifolds data from +700 OLTs and its VLANs and insert data into PostgreSQL database.

EDUCATION

2014 - 2020

Telematics engineering

Universidad Rey Juan Carlos

Computer network security (IPSec, nmap, snort, asymmetric keys, GPG, etc). Diverse programming languages (C, Java, Python, Ada, Assembler (MIPS32)). Web programming (HTML, CSS, JavaScript, JQuery). Computer network architecture (TCP/IP, IPTables, OSPF, IPV4, IPV6). Docker, Vagrant, vnc. Linux systems. Obtaining an "A" in final degree work and internships.

CERTIFICATIONS

Kubernetes for developers

Certificate by OpenWebinars: Put basic tips and key concepts of Kubernetes

Scrum Developer

Certificate by European Scrum: Put bases of Scrum and agile methodologies

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- Reverse engineering on complex projects without prior knowledge transfer.
- Good approaches in project estimations.
- Customer confidence and renewal and expansion of services.

[Ayscom] Software developer intern

Jan 20 - Aug 20

Networking and systems

Support my colleagues, automate and optimize Python programs and do tasks with Linux terminal.

- Optimization and refactoring of scripts for automation in the area of networks and systems.
- Reducing the execution time of scripts.
- Supporting my colleagues in Linux and using the terminal.

Technologies include:

- Python for custom tool development and Flask, Gunicorn, Nginx to expose APIs.
- Docker and Vagrant for virtualization testing.
- WSL and shell scripting.

Achievements include:

- Load network systems in client's platform using Python scripts.
- Refactor and/or reimplement Python and shell scripts.
- Automated scripts that generates reports, scheduled in crontab.
- Developed API REST for consulting MongoDB database.