

# Paul Bourhis

Certified Azure DevOps -  
4 years of experience

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28 years old



## Skills

### DevOps

Cloud :	Azure, AWS (Certification Az-400, Az-104 and Az-900)	Monitoring :	Logstash, Elasticsearch, Grafana, Prometheus
Versioning :	Git, Perforce	CI :	Jenkins
Administration :	Ansible, Terraform	Container :	Docker, Kubernetes

### Programming

Language :	Python, C/C++, Bash, Groovy, L <sup>A</sup> T <sub>E</sub> X	Data science :	Data analysis with pandas
Other :	UI design with the Qt framework	OS :	Linux (Red Hat, Ubuntu), Windows

### Languages

English :	Fluent and professional (TOEIC : 915)	Spanish :	Level C1 (several months spent in Spain)
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## Relevant experience

03/2021 - actual



### DevOps - Python Developer (2 years) , MUREX, PARIS

Devops and Python developer for a microservice application hosting a C++ solution

- Development of unit/integration/functional and performance tests
- Containerization and deployment of microservice with Docker
- Design distributed multiprocessing python architecture
- Configuring thirdparty dependencies (Python & C++) via a private Nexus and CMake
- Setting up of continuous integration/deployment pipelines
- Administration of Linux remote servers (cloud and on premise)
- Implementation of a stack of monitoring for services and our servers
- SRE on the main application

09/2019 - 02/2022



### Embedded Software Engineer (2 years), THALES SIX GTS, PARIS

C++ Development of software components for SCORPIONS vehicles

- Implementation of data exchange between the vehicle and its equipment (C++)
- Migration of the build chain to CMake
- Development of unit and functional tests (Jenkins and python)
- Building of a custom test platform, and setting it up with cmake and VsCode

Development of a GUI intended to pilot CONTACT radio products

- Development of the GUI in Python with Qt tools
- Implementation of an SNMP client-server

04/2018



### Internship Assistant Engineer (3 month), UNIVERSITAT POLITÈCNICA DE VALENCIA

C Development of a robotic arm based on a STM32 board

- Implementation of incremental encoders between the motors and the STM32 board
- Management of sending and receiving data via UART link
- Acquisition and processing of data by a python algorithm

05/2017

### Worker internship (2 months), EDISON ELECTRONICS, BADALONA (SPAIN)

As a worker in a PCB manufacturing company, I helped in the design and production of electronic cards.

## Education

2016 - 2019



### Graduate School in Advanced Electronics and its Applications, ENSEA, FRANCE

- Major : Embedded Systems
- Options : Computer science, Automation and Internet of things

2013 - 2016

### Preparatory class PTST-PT, Lycée A.R-LESSAGE, FRANCE

Three-year intensive course preparing for the competitive entrance examinations to French top-level "Grandes Écoles".

Main subjects : Physics, Mathematics and Computer-science

## Projects and activities

2022 **Project resume**, (Terraform / Azure), Provides a linux dev environment via terraform  
<https://github.com/Pyodin/azure-terraform-project-resume>

2015 - 2019 **Private teacher**, Mathematics and Physics

2018 - 2019 **University Project**, ENSEA, Cross-development on a Linux i.MX6 card

2017 - 2018 **Associations**, ENSEA, Student board member, and organizer of the Integration Weekend