

# Paul Bourhis

Certified Azure DevOps  
5 years of experience

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28 years old



## Certifications

**Microsoft** Az-400 : DevOps Engineer Expert  
Az-104 : Azure Administrator Associate  
Az-900 : Azure Fundamentals

**Linux Foundation** Certified Kubernetes Administrators

**Hashicorp** Terraform Associate (003)

## Skills

### DevOps

Cloud : Azure, AWS  
Versioning : Git, Perforce  
Administration : Ansible, Terraform

Container : Docker, Kubernetes  
CI : Jenkins, Az pipelines  
Monitoring : Logstash, Elasticsearch, Grafana, Prometheus

### Programming

Language : Python, C/C++, Bash, Groovy  
Other : UI design with the Qt framework

Data science : Data analysis with pandas  
OS : Linux (Red Hat, Ubuntu), Windows

### Languages

English : Fluent and professional (TOEIC : 915)  
Spanish : Level C1

## Relevant experience

03/2021 - actual



**DevOps - Python Developer (2.5 years) , MUREX, PARIS**

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

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

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