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in PatrickGuermonprez

📍 Namur - Belgium

Patrick Guermonprez

Freelance DevOps Engineer - Test Automation Engineer

Professional Summary

Enthusiastic IT professional with extensive experience in testing, development, and system administration. I am strong in **automating IT systems**. Understanding the **needs**, working with **stakeholders**, and focusing on the **best result** is key. I look forward to harnessing my expertise within the ever-evolving technology sector.

Professional Experience

IBA   Louvain-la-Neuve | BE

2018 - 2023

System Administrator

Redesigned and automated the IT infrastructure deployment for new IBA protontherapy centers to facilitate its evolution and improve the reproducibility of the deployments. Additionally, reduced the deployment time from two person-weeks to approximately 10 hours.

- Developed **Ansible** roles for **automated provisioning** and deployment of physical and virtual **Linux**/**Windows** systems
- Developed a dynamic inventory script
- Set up **continuous integration** using **GitLab**
- Implemented "on-demand" deployments of multi-server virtual environments using **Rundeck**
- Coordinated Ansible roles development, test updates, code review, and integration

2015 - 2020

Test Architect

Spearheaded the enhancement and scalability of testing environments and tools to optimize QA processes and efficiency, and upskilled the QA team on advanced testing techniques.

- Maintained and extended **automated tests**
- Migrated **Hudson CI** test environment to **TeamCity**
- Trained new colleagues on the legacy test environment
- Managed **virtual machines** of the test environment
- Implemented test environment with **Docker**
- Rewrote kernel of the legacy automated test framework
- Implemented tests by using a "**Model Based Testing**" methodology

2013 - 2015

Software Test Engineer

Validated the IBA protontherapy software through automated and manual test campaigns

- Performed **manual verification & validation (V&V) tests**
- Maintained and extended **automated tests**
- Maintained the **Hudson CI** test environment

Core Expertise

- DevOps
- System administration
- Test automation
- SW Development

Technical Skills

- Ansible
- Kubernetes, Docker
- Linux administration
- GitLab, TeamCity, Hudson
- Python, Java, Scripting

Personal Skills

- Analytical
- Versatile
- Result oriented
- Determined
- Team player
- Innovative
- Attention to detail
- Out-of-the-box thinking

Language Skills

French	■■■■■
English	■■■■□
Dutch	■■■■□

Alcatel - Lucent   Antwerpen / Namur | BE

2006 - 2013   ### Expert Test Engineer & Software Developer

Spearheaded the development and the execution of test campaigns in close collaboration with the developer team to ensure the reliability and performance of a telecom software platform

- Developed and maintained **scripts** and test applications
- Formalized **tests** and defined **test plans**
- Trained and supported colleagues in test techniques
- Installed and maintained Unix/Linux servers
- Executed **functional**, **load**, **stress**, **endurance tests**, and conducted **benchmarks**

2000 - 2006   ### Test Engineer & Software Developer

Validated and troubleshot the Alcatel Intelligent Network platform, supporting its development

- Developed the statistical analysis service for the platform
- Developed and maintained test applications
- Executed **functional**, **load**, **stress**, **endurance tests**, and conducted **benchmarks**

1997 - 2000   ### Software Developer

Designed the database architecture and developed software used for populating, validating the consistency, and upgrading the data used in the telephone exchange

- Designed and documented the **database** tables and relations
- Developed **software** for data management
- **Coordinated** the software development activities of the remote team
- Led the "**code inspection**" QA process for the team

Education

1993 - 1997   **Master's in industrial engineering**
Electromechanical / automation
ISIC Ht, Mons | BE

1996   **Certificat d'aptitudes pédagogiques**
Methodology & communication
IRAM, Mons | BE

Certifications

02/2024   **Certified Kubernetes Application Developer (CKAD)**
The Linux Foundation

On going   **Certified Kubernetes Administrator (CKA)**
The Linux Foundation

Planned   **Certified Kubernetes Security Specialist (CKS)**
The Linux Foundation