

Pierre-Henry MOREAU

Business/Functional Analyst & Tester

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SUMMARY

I am a Civil Engineer in electricity with a proven IT experience in business and functional analysis. During different projects, I have gained expertise in testing. I have a good knowledge in development and also in machine learning algorithms and image processing. During my mission at the European Commission, I had to improve energy consumption of a part of their buildings, since then I developed an interest in this subject.

I am polyvalent, open-minded, able to adapt rapidly to technical tools. I have good analytical and synthetic capabilities.

EXPERIENCE

- Blockchain & crypto projects** ● 11/2017 – ...
Self-training, projects and maintenance in cryptography, cryptocurrencies and blockchain.
 - Please refer to LinkedIn or GitHub for details.
- [Fédérale Assurance](#)
Test Coordinator ●
(Freelance Consultant)
07/2023 – ...
- [Fédérale Assurance](#)
Senior Test Analyst ●
(Freelance Consultant)
09/2022 – ...
- [Mastercard](#)
Senior Test Analyst ●
(Freelance Consultant)
01/2020 – 09/2022
- [Fédérale Assurance](#)
Senior Tester ●
(Freelance Consultant)
01/2019 – 12/2019
Projects and maintenance of applications that support Fire insurance contracts and sinister management (automotive, fire and work incidents)
 - Write, review and execute manual and automated test cases,
 - Write and review Test Plans and Test Reports.
- [STIB-MIVB](#)
Senior Tester ●
(Freelance Consultant)
10/2018 – 11/2018
 - Participation in writing Master Test Plan (MTP)
 - Read, write and review test cases.

<p>11/2017 – 09/2018</p> <p>SIX Payment Services</p> <p>Test Automation Engineer (Freelance Consultant) 06/2016 – 10/2017</p> <p>COST Association</p> <p>Quality Assurance Engineer (Freelance Consultant) 09/2015 – 06/2016</p> <p>EVS Broadcast Equipment</p> <p>Quality Check Engineer (Freelance Consultant) 03/2015 - 06/2015</p> <p>VEOLIA</p> <p>Environment, Energy and EMAS Responsible & Field Manager 08/2014 - 02/2015</p> <p>ACV - CSC</p> <p>Functional Analyst 09/2012 - 03/2014</p> <p>ELIA</p> <p>Business/Functional Analyst & Tester (Consultant) 05/2011 - 04/2012</p>	<ul style="list-style-type: none"> • Career break to focus on crypto projects <p>Projects and maintenance of payment applications (Issuing).</p> <ul style="list-style-type: none"> • Manual and automated testing, • Write, review and execute test cases, • Test environment responsible. <p>Projects and maintenance of web applications that support daily operations, monitoring and reporting of COST Association activities (science networking and cooperation).</p> <ul style="list-style-type: none"> • Continuous integration testing (Team City), • Write, review and execute test cases, • Defect management (BugZilla), test automation (Selenium IDE). <ul style="list-style-type: none"> • Write, review and execute test cases, • Migration from TFS to JIRA. <p>Management of Heating, Ventilation and Air-Conditioning (HVAC) installations of 20 buildings (300.000 m²) of the European Commission (EC) and suggest improvements to reduce consumption (EMAS (Eco-Management and Audit Scheme) methodology).</p> <ul style="list-style-type: none"> • Technical assistance to the EC in charge of actions and audits, • Analyze and improve energy consumption of buildings, • Develop of a managing tool (Excel VBA), • Manage energy metering and monitoring, from a remote management system, • Selection of equipment, vendor comparison and preparation of estimates, • <u>Methodology & tools</u>: PEB, URE, EMAS, ISO 9001, GMAO, Excel (VBA). <p>Maintenance of an application that manage the payment of unemployment benefits</p> <ul style="list-style-type: none"> • Write functional analysis, • Write, review and execute test-cases, • Write technical analysis and formal description of operations, • Perform functional SQL optimization. <p>Maintenance of the nomination exchange program (NxPRO), an application where each electricity provider communicates the schedule of electricity production (injection), consumption (offtake), import, export and sell to another electricity provider.</p> <ul style="list-style-type: none"> • Consolidate business requirements, • Write functional analysis and write documentation (for the clients), • Write, review and execute test-cases, • Reproduce bugs, manage change request.
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STUDENT JOB

During 2009	Student Instructor	at	University of Liège
2008-2009	Private tutor in science and mathematics		
August 2008	Temporary work (night shift)	at	La Lorraine Bakery Group
August 2007	Temporary work (night shift)	at	La Lorraine Bakery Group
2004-2005	ICT Director	at	e-cube (Liège)

Finalist of the Mini-Enterprise competition and winner of several contests, e-cube was a Belgian Mini-Enterprise established at Liège composed of 12 associates from the **Collège Saint-Louis**.

EDUCATION

University of Liège
Liège-Belgium
2008-2010

● **Master in Electrical Engineering**

Final thesis: « Detecting the Presence of People in an Image », Prof. Van Droogenbroeck

The first task was to extract characteristics (HOG) of a set of images in order to calculate a predictive model using a machine-learning algorithm (extra-trees). The second task was to compare the efficiency of my method with published results.

University of Liège
Liège-Belgium
2005-2008

● **Bachelor in Electro-Mechanical Engineering**

Representative for student electrical department from 2006 to 2010

CERTIFICATIONS

03/2025	PMI & LinkedIn Certifications on AI, Software Testing, Soft Skills, and Development
09/2022	2022 Secure Coding Training for Developers (Pseudocode Basic) – Belgium
11/2021	2021 Secure Coding Training for All Other Languages – Belgium
06/2020	2020 Secure Coding Training for All Other Languages – Belgium
12/2014	VCA - Basic Elements of Safety SCC– AIB-Vinçotte – Belgium
12/2010	Renewable Energies – Walloon Region – Belgium
11/2010	Energy Advisor (PEB, URE, IR imaging, PAE) – Walloon Region – Belgium

TECHNICAL IT SKILLS

Analysis	Enterprise Architect (EA), UML
Testing	Selenium, Robot, Selenium IDE, Ranorex Studio, WCF Test Client, Postman, Gherkin
Project Methodology	Agile, SCRUM, ITIL
Project Management tools	Team Foundation Server (TFS), JIRA, Rally ALM
Web	PHP, HTML, CSS, JS, Web Services, Wordpress, Dreamweaver, phpMyAdmin, vBulletin, phpBB, Google Maps API, nodejs
Development languages	C/C++, bash, Pascal, ASM, Java, Excel (VBA), C#, .NET
Development tools	Visual Studio, Sharp Develop, Eclipse IDE, IntelliJ IDEA
Database	MySQL, MS SQL Server, MS Access, Oracle Database, Berkeley DB
Operating Systems	Windows, Linux, android
Network	TCP/IP, Firewall, NAT, WireShark
CI/CD	TeamCity, Jenkins, Git, Github, private & public Gitlab, Bitbucket, docker
Office	MS Office, Confluence, Sharepoint, Link, Open-Office, LaTeX (LyX, MiKTeX)
Other	VM Ware, Oracle VirtualBox, XML Spy

LANGUAGES

FRENCH	
ENGLISH	
DUTCH	

LEISURE ACTIVITIES

- ✓ Youth Movement (team leader)
- ✓ Blockchain technologies
- ✓ Own creation of private websites
 - **Geopti:** optimize search for places
 - **Timeline:** planning, tasks & email reminders
- ✓ Interests: Numismatics, biking, news.