

Pierre-Henry MOREAU

Senior Test Lead & CI/CD Engineer — Founder @ RPCB

(+32) 474.80.72.98

28th October 1987, Belgian (EU Subject), Driving licence B

Email: pierrehenrymoreau@gmail.com

CV: www.phmoreau.be



<http://lnkd.in/D7XAnC>

<https://github.com/phm87>

SUMMARY

Civil Engineer in electricity with 15 years of experience in software quality, test management and automation. I combine Test Lead experience, CI/CD implementation, automated testing and IoT product development. As founder of RPCB, I built an early-warning flood detection platform with public dashboards, automated runners and field-device prototypes.

EXPERIENCE

[ETNIC](#)

Senior Functional Tester & Test Lead

09/2026 - ...

[RPCB](#)

Founder

09/2025 - ...

Founder project. Pilot platform and device prototypes (Raspberry Pi / sensors), with public hydrology, address-based flood risk analysis, geolocated public data, interactive map layers (Leaflet) & weather data ingestion and dashboards.

Public pilot: <https://a.rpcb.be>

Dashboard: <https://www.rpcb.eu>

- CI/CD workflows with Git, TeamCity, Docker and deployment checks.
- Playwright UI robots, Bash/curl runners, API checks and automated proof generation.
- Offline-first PWA application for degraded-connectivity scenarios.
- Supervised 2 interns and collaborated with 15 HELMo/Gramme students on flood warning without power/network.

Blockchain & crypto projects

11/2017 – ...

Self-training, projects and maintenance in cryptography, cryptocurrencies and blockchain: YiiMP mining pools, Komodo ecosystem contributions, UTXO optimization, Bitcoin/Testnet nodes and public mining pool consulting.

[Fédérale Assurance](#)

Test Lead & Senior Test Analyst

03/2025 – 09/2025

Finances/Accounting IT Senior Test Analyst and Test Lead on projects:

- Merging (in two phases with SDA & BNB approvals) of group entities (FEDERALE SC, MV, CC, Life) into FEDERALE Assurance to streamline governance and consolidate operations.
- Implementation of new European laws (KYC/AML and tax details)

[Fédérale Assurance](#)

Test Coordinator & Senior Test Analyst

09/2022 – 09/2025

Project of an application on the DXC GraphTalk platform supporting the issuing, management, premiums and claims of Life insurance contracts (migrated contracts and new Business).

- Created, reviewed and executed test cases (Azure DevOps).
- Defined and reviewed test plans, test approach and acceptance scope.
- Coordinated and coached teams of 10-12 IT consultants and up to 60 business users/testers (including year-end closing cycles).
- Followed test execution progress, defects, priorities and reporting.
- End-of-Day batch expert: CODA, batch requests with parameters, transversal business and functional knowledge.

Mastercard Senior Test Analyst 01/2020 – 09/2022	- Functional, regression and E2E testing in an Agile environment. - Member of a 12-person international QA team, with cross-team collaboration across Belgium, India and several worldwide teams. - Payments and financial services context.
Fédérale Assurance Senior Tester 01/2019 – 12/2019	Projects and maintenance of applications that support Fire insurance contracts and claims management (automotive, fire and work incidents) - Write, review and execute manual and automated test cases, - Write and review test plans and test reports using Quality Center.
STIB-MIVB Senior Tester 10/2018 – 11/2018 11/2017 – 09/2018	- Participation in writing Master Test Plan (MTP) - Read, write and review test cases. - Focus on crypto projects: UniMining.net, open-source contributions, Bitcoin testnet3 faucet, Komodo and ecosystem contributor/developer
SIX Payment Services Test Automation Engineer 06/2016 – 10/2017	Projects and maintenance of payment applications (Issuing). - Manual and automated testing, - Write, review and execute test cases, - Test environment responsible, - Bank Batch processor for E2E tests with clients.
COST Association Quality Assurance Engineer 09/2015 – 06/2016	Projects and maintenance of web applications that support daily operations, monitoring and reporting of COST Association activities (science networking and cooperation). - Continuous integration testing (TeamCity), - Write, review and execute test cases, - Defect management (BugZilla), test automation (Selenium IDE).
EVS Broadcast Equipment Quality Check Engineer 03/2015 - 06/2015	- Write, review and execute test cases, - Migration from TFS to JIRA.
VEOLIA Environment, Energy and EMAS Responsible & Field Manager 08/2014 - 02/2015	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). - Technical assistance to the EC in charge of actions and audits, - Analyze and improve energy consumption of buildings, - Develop 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).
ACV - CSC Functional Analyst 09/2012 - 03/2014	Maintenance of an application that manages the payment of unemployment benefits - Write functional analysis, - Write, review and execute test-cases, - Write technical analysis and formal description of operations, - Perform functional SQL optimization.
ELIA Business/Functional Analyst & Tester (Consultant) 05/2011 - 04/2012	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. - Consolidate business requirements, - Write functional analysis and write documentation (for the clients), - Write, review and execute test-cases, - Reproduce bugs, manage change request.

KEY ACHIEVEMENTS AND PROOFS

<u>Date</u>	<u>Fact</u>	<u>Proof</u>
01/2026	RPCB CI/CD (TeamCity, Git, Docker)	CI/CD badges available on rpcb.eu and phmoreau.be
12/2025	RPCB end to end Test	https://www.phmoreau.be/RPCB_E2E_Test.html
2022	Bitcoin testnet3 faucet 2022	2d4a96bf3cf68cb5275a75152877fca3919c635324 6019a5dfc199330559c3a3 (Bitcoin testnet3 tx) https://blockstream.info/testnet/tx/2d4a96bf3cf68cb5275a75152877fca3919c6353246019a5dfc199330559c3a3?expand
2020	Open-source contributions, example of consensus change with block height activated hard fork	https://github.com/chips-blockchain/chips/pull/2
2017	UniMining.net YiiMP mining pools	https://bitcointalk.org/index.php?topic=2156784.0
2004-2005	ICT Director of a Mini-Enterprise 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 .	

KEY SKILLS

Test Automation & Security: Playwright, Selenium, Robot Framework, Postman, Gherkin, Secure Coding, CED training.

CI/CD: TeamCity, Jenkins, Docker, Virtualization (VMware, Oracle VirtualBox), Automated Pipelines

IoT & Scripting: Raspberry Pi, ZigBee, MQTT, Bash, Python, Node.js, JavaScript, Data Extraction & API Testing

Version Control & Collaboration: Git, GitHub, GitLab, Bitbucket, Agile/SCRUM workflows, Azure DevOps (TFS), Quality Center, Azure Test Plans

Database & Networking: MySQL, MongoDB, PostgreSQL, Firewalls (pfSense, ufw), Wireshark, IoT Protocols (MQTT)

EDUCATION

University of Liège Liège-Belgium 2008-2010	Master in Electrical Engineering Thesis: « Detecting the Presence of People in an Image using machine learning algorithms »
University of Liège Liège-Belgium 2005-2008	Bachelor in Electro-Mechanical Engineering Representative for student electrical department from 2006 to 2010

CERTIFICATIONS

11/2025	VCA – Safety for Managers, Centre Secure – Belgium
03/2025	PMI & LinkedIn Certifications on AI, Software Testing, Soft Skills, and IT 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

LANGUAGES

FRENCH	Mother language
ENGLISH	Fluent
DUTCH	Limited working proficiency

LEISURE ACTIVITIES

- ✓ Own creation of private websites
- **Geopti:** optimize search for places
- **Timeline:** planning, tasks & email reminders
- ✓ Interests: Numismatics, biking, news.