

Pierre-Henry MOREAU

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

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



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<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

[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.
- Coordinated one internship contribution via PHIT and collaborated with 12 HELMo/Gramme students on flood warning without power/network.

Blockchain & crypto projects

11/2017 – ...

● Self-training, projects and maintenance in cryptography, cryptocurrencies and blockchain: YüMP 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.

<p>Fédérale Assurance Senior Tester 01/2019 – 12/2019</p>	<p>Projects and maintenance of applications that support Fire insurance contracts and sinister management (automotive, fire and work incidents)</p> <ul style="list-style-type: none"> • Write, review and execute manual and automated test cases, • Write and review test plans and test reports using Quality Center.
<p>STIB-MIVB Senior Tester 10/2018 – 11/2018</p>	<ul style="list-style-type: none"> • Participation in writing Master Test Plan (MTP) • Read, write and review test cases.
<p>11/2017 – 09/2018</p>	<ul style="list-style-type: none"> • Focus on crypto projects: UniMining.net, open-source contributions, Bitcoin testnet3 faucet, Komodo and ecosystem contributor/developer
<p>SIX Payment Services Test Automation Engineer 06/2016 – 10/2017</p>	<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, • Bank Batch processor for E2E tests with clients.
<p>COST Association Quality Assurance Engineer 09/2015 – 06/2016</p>	<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 (TeamCity), • Write, review and execute test cases, • Defect management (BugZilla), test automation (Selenium IDE).
<p>EVS Broadcast Equipment Quality Check Engineer 03/2015 - 06/2015</p>	<ul style="list-style-type: none"> • Write, review and execute test cases, • Migration from TFS to JIRA.
<p>VEOLIA Environment, Energy and EMAS Responsible & Field Manager 08/2014 - 02/2015</p>	<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>ACV - CSC Functional Analyst 09/2012 - 03/2014</p>	<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>ELIA Business/Functional Analyst & Tester (Consultant) 05/2011 - 04/2012</p>	<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.

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	2d4a96bf3cf68cb5275a75152877fca3919c6353246019a5dfc199330559c3a3 (Bitcoin testnet3 tx)
		https://blockstream.info/testnet/tx/2d4a96bf3cf68cb5275a75152877fca3919c6353246019a5dfc199330559c3a3?expand
2020	Open-source contributions, example of change 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-Entreprise 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	<ul style="list-style-type: none"> ● Master in Electrical Engineering Thesis: « Detecting the Presence of People in an Image using machine learning algorithms »
University of Liège Liège-Belgium 2005-2008	<ul style="list-style-type: none"> ● 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.