

Pierre-Henry MOREAU

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

I am a Civil Engineer in electricity with over 10 years of experience in software quality automation and test management. Over the years, I have transitioned into technical and product leadership, driving CI/CD pipeline implementation, automated testing, and IoT solutions. As the founder of RPCB, an IoT system for flood early-warning detection, I led the product's industrialization and deployment, focusing on continuous integration and environment management. Passionate about continuous improvement, I combine product management and engineering excellence to deliver scalable, robust solutions.

EXPERIENCE

RPCB

Founder

09/2025 - ...

Founder project. Pilot platform and device prototypes (Raspberry Pi / sensors), with public hydrology & weather data ingestion and dashboards.

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

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

Blockchain & crypto projects

11/2017 – ...

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

Developer on Yiimp (mining pool management), contributor to the Komodo project and other altcoins, optimization of UTXO transactions, research in DeFi security, management of Bitcoin and Testnet nodes, and consulting on public mining pools.

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)

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

- Write, review and execute manual test cases,
- Write and review Test Plans
- Review Requirements, create User Stories & Change Requests
- Coordination of 10 of consultants with 60 Business Users/Testers
- End-of-Day Batch expert (Creating CODA, request batch with parameters, transversal Business and Functional knowledges).

Mastercard

Senior Test Analyst

01/2020 – 09/2022

Confidential

<p><u>Fédérale Assurance</u> 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.
<p><u>STIB-MIVB</u> 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><u>SIX Payment Services</u> 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><u>COST Association</u> 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><u>EVS Broadcast Equipment</u> 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><u>VEOLIA</u> 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><u>ACV - CSC</u> 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><u>ELIA</u> 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 (oftake), 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

Date	Fact	Proof
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: Selenium, Robot Framework, Postman, Gherkin, Secure Coding, CED training ongoing

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

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

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

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.