Hafid Selbi

Nationality: Moroccan **Phone number:** (+212) 621903753 **Email address:** selbihafid@gmail.com

LinkedIn: https://www.linkedin.com/in/shafid/

Github: https://github.com/hselbi

Home: (Morocco)

ABOUT ME

Detail-oriented software engineer with 7+ years of experience since 2019, including 3+ years as a QA Software Tester (manual and automated testing, particularly JavaScript-based technologies) and additional years specializing in automation, web scraping, and full-stack software development. Skilled in developing test plans, building automated scraping/testing systems, and delivering production SaaS platforms for freelance clients. Adept at collaborating with founders and development teams to ship reliable, high-quality software
Proven track record as a freelance QA, automation, and full-stack developer across multiple international clients.

WORK EXPERIENCE

Sud Messagerie / MTV ASFAR

Testing & Software Developer

[11/2025 – Current]

Platform Architecture & Frontend

- **Authored** the complete specification for a multi-module logistics platform, defining scope, architecture, and delivery plan across multiple phases
- Led frontend architecture and development across multiple sub-applications, including operational dashboards and an inter-agency reclamation system

Backend & Automation Ownership

- **Directed** debugging and stabilization of backend services, resolving critical issues affecting production reliability
- **Took full ownership** of the project's automation infrastructure, independently rebuilding core systems after an infrastructure failure and restoring business-critical customer communication workflows
- **Owned** automation and data quality across the platform end-to-end, ensuring clean, consistent data across all modules

Client Management & Delivery

- **Acted as primary technical point of contact** for the client, producing technical documentation and proposals in French and Darija
- Managed infrastructure and deployment decisions supporting the platform's production environment

Clockwork Digital GmbH

Full-Stack Developer & Automation Engineer

[09/2025 – 08/2026]

Urban Motion

- **Built and deployed** a NestJS-based digital signage news system on Google Cloud Platform
- **Integrated** the dpa wireq news API with Samsung Tizen digital signage screens via the Broadsign CMS platform
- **Diagnosed and resolved** a critical Tizen-specific compatibility bug and corrected content-sync pathing to stabilize screen delivery
- **Authored and formatted** the project's Operations and Developer Handbooks into polished, branded PDF documentation

MediaPilot

- **Acted as sole full-stack developer**, owning frontend architecture and development (React, Vite, TypeScript, Supabase)

- Designed and implemented the billing system end-to-end: Stripe subscriptions, webhooks, and payment-method management
- Built LinkedIn OAuth and analytics integrations
- **Architected** n8n automation workflows powering AI content generation, including the underlying data collection and processing pipeline
- **Took ownership** of data quality across pipelines: collecting, cleaning, and validating for accuracy
- Designed and built the complete onboarding flow (multi-step wizard, guided tour, security policies)

Flippix (flippix.io), NURIKO SAS

Automation & Web Scraping Engineer

[01/2026 – 06/2026]

Web Scraping & Automation

- Designed and built scraping architecture for 20+ French e-commerce sites feeding the Flippix product (Node.js, TypeScript, Cheerio, Playwright/Puppeteer)
- Developed anti-bot bypass techniques to reduce detection and blocking, minimizing reliance on third-party proxy services
- Structured scraping work through a professional Git workflow (tickets, feature branches, pull requests) for a maintainable, production-ready codebase

Data Collection & Quality

- **Owned data collection strategy**: identifying legal/accessible data sources (sitemaps, APIs, GraphQL) before falling back to browser automation
- Ensured collected product/pricing data was clean, structured, and reliable for the platform's arbitrage analysis features

MOUSE TECHNOLOGIES LLC

QA Automation and Software Engineer

[10/2023 – 05/2025]

- **Spearheaded** the development of **revenue-generating automation solutions** for booking and billing processes, leveraging **Puppeteer**, **Playwright**, **WebdriverIO**, and **Appium** to deliver comprehensive test coverage across web and iOS platforms
- **Architected a scalable cross-platform testing framework** for CRM web and mobile apps, encompassing **fro ntend UI/UX validation**, **API/backend integration testing**, and **end-to-end workflow automation**, ensuring seamless performance and reliability of critical business features
- Designed and implemented **automated test suites for RESTful APIs** and backend services supporting iOS and web apps, improving defect detection early in the development cycle, and strengthening system robustness
- Integrated **continuous integration/continuous deployment (CI/CD)** pipelines to run automated tests on both frontend and backend layers, accelerating release cycles with confidence
- **Expanded the automation team from a solo contributor to leading a team of 5 engineers**, accelerating the growth and sophistication of testing capabilities
- Engineered a **24/7 monitoring system** using **Node.js**, achieving near-zero downtime for a mission-critical booking platform and enhancing operational stability
- Delivered two **high-impact automation products** that transformed company workflows, driving efficiency and becoming key revenue streams

Laland Marketing & Communication LTD

Junior QA Tester

[12/2022 – 06/2023]

- **Developed and executed test plans** and test cases for JavaScript applications, ensuring comprehensive coverage of functionality and performance
- **Conducted manual testing** of web and mobile applications, identifying, documenting, and tracking defects using tools like **JIRA** and **TestRail**
- **Created detailed bug reports** and collaborated with developers to ensure timely resolution of issues.

- **Used automation testing tools** like **Playwright** and **Cypress** to support regression testing and enhance testing efficiency.
- Worked closely with senior testers and developers to implement **best practices in quality assurance**, ensuring smooth and efficient testing cycles
- **Participated in user acceptance testing (UAT)**, providing critical feedback to stakeholders and contributing to product improvements

Fiverr

Freelancer

[06/2021 – Current]

AI Agents & Automation

- Built an AI-powered automation system using **VoltAgent** and **MCP**, where smart agents work together and can get help from a human when needed
- Created a file-assistant tool that lets users manage files (read, write, search, organize) using **natural language**
- Connected the system with **Google Gemini** and made sure all actions are safe by running them in a protected folder
- Developed a clean **React interface** so users can chat with the agent, see tasks, and monitor progress in real time

Browser Automation & Testing

- Automated browser tasks like form submissions, bookings, and data collection using **Puppeteer, Playwright**, and **BeautifulSoup**
- Built automated test systems with **Playwright** and **WebdriverIO** to check website features across different browsers and devices
- Used **APIs** and solved captchas with **Jimp** and **Tesseract.js** to make data-gathering faster and more reliable
- Worked with clients to build automation tools using **n8n** and other platforms, helping streamline tasks and improve workflows
- Created end-to-end tests for dashboards, checked both frontend and backend behavior, and added **automati c reports and screenshot checks**

PROJECTS

[04/2026 – Current]

Founder of Eatiq Platform / Application EATIQ: Nutrition & Wellness Digital Ecosystem**Professional Platform & Mobile Application**

- Developed an integrated digital ecosystem connecting nutritionists, doctors, and sports coaches with their patients and clients.
- **Professional Platform:** Centralized patient management, personalized nutrition plans, health monitoring, and progress tracking.
- **EATIQ Mobile App:** Enabled users to track nutritional habits, monitor fitness goals, and follow personalized wellness programs.
- **Platform Integration:** Connected both solutions to facilitate data synchronization, communication, and continuous patient follow-up.
- **User Experience:** Streamlined professional workflows and enhanced the overall nutrition and wellness management experience.

Links: https://eatiq.app/ | https://apps.apple.com/us/app/eatiq-ai-calorie-tracker/id6761727548

EDUCATION AND TRAINING

Software Engineer

1337 [11/2021 – 12/2023]

City: Ben Guerir | **Country:** Morocco

Bachelor's Degree in Digital transformation

Ibn Zohr University [01/2016 – 05/2020]

City: Agadir | **Country:** Morocco

Baccaloriat Science Physique
Al Maarifa [2015]

LANGUAGE SKILLS

Mother tongue(s): Arabic

Other language(s):

French	English
LISTENING B2 **READING** B2 **WRITING** B2	**LISTENING** B2 **READING** B2 **WRITING** B2
SPOKEN PRODUCTION B1 **SPOKEN INTERACTION** B1	**SPOKEN PRODUCTION** B2 **SPOKEN INTERACTION** B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

SKILLS

Language

Programming: C, C++, Java, HTML, Javascript, Typescript, Python

Frameworks

Web Testing and Automation - Puppeteer, Playwright - Advanced / Test automation tools: Selenium WebDriver, Cypress, Rest Assured, Cucumber, Appium / Webdriver IO / React.js, Next.js, Gatsby, Redux, MobX, RxJs

COMMUNICATION AND INTERPERSONAL SKILLS

Exceptional Communication Skills

My strong communication skills facilitate effective collaboration with clients, stakeholders, and cross-functional teams, ensuring that project goals are clearly understood and high-quality results are consistently delivered

I excel in articulating complex ideas, fostering an environment of transparency, and actively engaging with all parties to drive successful outcomes