Irma Houver Sing

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Experience

Euro Informations (Crédit Mutuel Group) via EFOR Aug. 2025 – Apr. 2026
Software Engineer *Strasbourg, France*

- Cut healthcare payment terminal provider switches from **1 week to 2-3 days** by redesigning the back-office validation flow, removing manual back-and-forth between **4 stakeholder groups**.
- Fixed production bugs across **WebActivFSE, ProActivFSE and ActivFSE**, electronic care claim products serving **66,000+ healthcare professionals**.
- Built from scratch an **incident-monitoring tool** in **C#** (internal framework, **.NET**) to flag blocked claims.
- Took over undocumented legacy **C** modules with no prior C experience, ramping up with **AI tools**; added automatic crash alerts and rewrote the technical documentation.
- Resolved a **production incident** on encryption certificates and documented the method for the team.

La Banque Postale Sep. 2022 – Oct. 2024
Software Engineer (Apprenticeship) *Gradignan, France*

- Built transfer history and standing order features in **React Native / TypeScript** (internal framework, React) for a mobile banking app serving **10M+ customers**, tested on **iOS and Android**; redesigned the flow with the Product Owner and shipped the search feature.
- Spotted a display bug on **incoming international transfers** (origin country text breaking the layout); took the initiative to rework the design with the Product Owner and front-end developer, then tested and signed off.
- Acted as the team's **accessibility referent (RGAA)**, fixing issues and testing with **VoiceOver** and **TalkBack**, on an app where **20% of users** rely on accessibility features (enlarged text, screen readers).
- **Led sprint retrospectives** in an **Agile (SAFe)** release train (6-7 developers, tech lead, Scrum Master, QA); built and deployed through **GitHub CI/CD** pipelines; first year on an internal framework (**AngularJS**).

Sogeti (Capgemini Group) Apr. 2022 – Jun. 2022
Test Automation Engineer (Internship) *Pessac, France*

- Automated test suites with **Selenium** and **Appium** for **FDJ, Seb and Leclerc Drive**; ran hundreds of test cases daily, including **IoT** appliances, working in **English** with offshore teams in **Morocco** and **India**.
- Eliminated manual date edits in **Euromillions** tests with automatic draw date and weekday calculation.

Projects

Alsace Arena Tournament App | *Next.js, Vercel, Supabase, GitHub Actions* 2026

- Built the score keeping app for the monthly **Valorant** tournaments of **Alsace Arena**, the region's first dedicated esports venue, automating score tracking previously done by hand.

Personal App Hub | *Next.js, React, Vite, Node.js, Hono, PostgreSQL, Docker, OpenRouter* 2026

- **Self-hosted**: a reverse proxy routes each subdomain to its **Docker** container; **single sign-on** (**Google OAuth**).
- **Landing page**: now listening widget (**Spotify API**), hand-drawn pixel sprites (**Procreate**), **LLM chatbot** (**OpenRouter**) answering questions from my CV, rate-limited and prompt-injection safe.
- **Paris dashboard**: live trains and disruptions (**IDFM PRIM API**), weather and air quality (**Open-Meteo**), restaurant map with photos (**Google Places API, Protomaps + MapLibre, Garage**).
- **Other apps**: pantry organizer (**REST API**), multiplayer games (**WebSockets**) and private access-only sites.

Technical Skills

Languages: TypeScript, C#, Java, Python, SQL, HTML/CSS
Frameworks: Next.js, React Native, Angular, .NET, Electron, Selenium / Appium
Infrastructure: CI/CD (GitHub Actions), Docker, PostgreSQL, Neo4j, MongoDB
Concepts: Agile, System Design, LLM Integration, Accessibility (RGAA), AI-Assisted Development
Spoken Languages: Bilingual French / English, Khmer (native)

Education

Université de Bordeaux Bordeaux, France
Master's & Bachelor's in Business Informatics (MIAGE) *Sep. 2021 – Aug. 2024*

Université de Lorraine Metz, France
DUT in Computer Science, incl. Erasmus+ exchange at VIA University College (Denmark) *Sep. 2019 – Aug. 2021*