Agustin R. Basilico

EU citizen

Software Engineer: Frontend & Developer Tooling

Turin, Italy · +39 350 976 8741

agustinrujanacontact@gmail.com · github.com/agustinrujana · linkedin.com/in/agustinrujana

EXPERIENCE

Software Engineer · Arduino — Mar 2024 – Present · Turin, Italy

Acquired by Qualcomm in 2025 · Official title: Support Engineer

- **Maintain the Arduino Cloud Editor**, the browser-based IDE for writing and uploading code to Arduino boards, used by **9K+ daily users**.
- Developer on **Arduino App Lab**, the official IDE for the Arduino UNO Q (270K+ boards shipped in its first year). **Cut the installed size from 439 MB to 336 MB (-23%)** by removing unused files and debug information from the bundled language servers.
- Built **over-the-air (OTA) compile and upload** to Arduino boards, working with the firmware and backend teams across the path from browser to device.
- **LLM evaluation for the Arduino AI Assistant:** wrote prompt test suites in Promptfoo to compare prompt variants and retrieval quality, guiding improvements to the RAG pipeline.
- Diagnosed and fixed **memory leaks** with browser DevTools memory profiling, tracing them to the lifecycle of CodeMirror editor components.

Frontend Engineer · Across — Jun 2022 – Mar 2024 · Turin, Italy

- Built data-heavy management web apps for marketing and services clients with Vue 3, Vue 2, Vite and Tailwind, in an Agile team.
- Developed and maintained a shared widget library (Vue 2, Webpack) used across **5 concurrent client projects**, and supported those teams on integration.
- Profiled and optimized rendering and state management.

Fullstack Engineer · Loesen SA — Jun 2021 – Jun 2022 · Buenos Aires, Argentina

- Built e-commerce, data and management applications for large automotive-sector companies with React, Tailwind, Fastify and AWS.

Software Engineer & UX/UI Designer · Freelance — Jun 2020 – Present · Remote

- Built and run the online store of **Farmacia Central** (farcentral.com), a pharmacy in Argentina: full-stack Next.js and TypeScript on Google Cloud Run, card payments, order and invoicing workflow, spreadsheet catalog import, transactional e-mail and web push notifications for staff.

SKILLS

Frontend	TypeScript, React, Next.js, Vue, Tailwind, Electron, Wails
Backend & cloud	Node.js, Go, SQL, Docker, Google Cloud, AWS, E2E testing
AI	LLM APIs (OpenAI, Anthropic), AI agents, MCP servers, LLM evaluation (Promptfoo), RAG

EDUCATION

B.Sc. Management, University of Turin · 103/110

LANGUAGES

Spanish (native) · English (fluent) · Italian (fluent)