

Laura Tronchin

Product-Oriented Full-Stack Engineer

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Italian · Native · English · B2 · German · B2 · Spanish · B1



ABOUT

Product-oriented full-stack engineer with frontend depth in React and TypeScript and a background in marketing. Progressed to primary implementation responsibility across six web applications and two React Native apps, delivering user-facing features, backend services and data workflows for learning platforms serving more than 50,000 registered users.

SKILLS

Frontend: React, React Native, TypeScript, JavaScript, Vue.js, HTML, CSS, Tailwind CSS, PrimeReact, Mantine UI, Recharts

Backend & data: Node.js, NestJS, Scala, MongoDB, PostgreSQL, Prisma, GraphQL, REST APIs, gRPC

Quality & delivery: Git, GitHub Actions, Docker, Jest, Vitest, React Testing Library

Applied AI: Google Gen AI SDK, Gemini function calling

EXPERIENCE

Full Stack Developer | The Key Technology GmbH · Berlin

07/2022 — 06/2026

RESULTS & IMPACT

- Progressed to primary implementation responsibility during the final two years for a suite of six web applications and two React Native apps, excluding Salesforce integrations, in a two-developer team.
- Prevented duplicate course identifiers across two Salesforce-connected learning platforms by challenging a database-local validation design and implementing a cross-platform gRPC uniqueness check.
- Diagnosed recurring certificate failures in regulated medical education, tracing incorrect course identifiers and dates through historical course and submission data. Built MongoDB data converters and regenerated certificates for incidents typically involving about 2–50 users, sometimes more.
- Built course permissions, progression and certification workflows for a learning platform with more than 50,000 registered users and approximately 500 courses, including eligibility rules, blocked-course states, expiring-certificate views and an administrator self-service reset for users blocked after three failed attempts.
- Created assessment reporting for randomized question sets, mapping stored MongoDB answers back to course definitions to calculate answer exposure, correct responses and the most frequently selected wrong answers.
- Rebuilt a production dashboard for a separate platform with approximately 500 courses, implementing supplied Figma designs and independently aggregating course, progress and certification data into views sorted by type, progress and expiry. Modelled course-state cards and a certificate carousel that widened its expiry window from 30 to 90 and 120 days when needed.
- Reduced production dashboard load time from approximately seven seconds to two by improving MongoDB indexes. Added progressive skeleton states so each section rendered as soon as its independent query completed.
- Reduced the path from the course dashboard to assessment questions from approximately four clicks to two after reviewing the navigation flow with the client.

Frontend Web Developer Intern | Kooku Recruiting Partners · Berlin

12/2021 — 05/2022

RESULTS & IMPACT

- Built the chart views for an internal recruiting analytics application, visualizing recruiter contact volumes, candidates reaching final interview rounds and candidate drop-off by hiring stage.
- Translated designer-provided page designs into Vue.js and Tailwind CSS interfaces, including a client-filtering landing page with selectors and dropdowns; the delivered workflow and reporting views were used by the recruiting team.

PREVIOUS EXPERIENCE

Freelance Web Designer | Conjuero Digital Marketing Agency · Berlin

09/2020 — 02/2021

Built and maintained company websites with WordPress and CSS.

Reservation Manager | Plus Hostel and Hotel · Berlin

02/2019 — 01/2020

Managed the booking software and supported community management.

Restaurant Supervisor & Service Staff | Weinwirtschaft at Akademie der Künste · Berlin

03/2015 — 01/2019

Provided customer service, handled cash transactions, and supported event coordination.

PROJECTS

Personal Finance Tracker | <https://github.com/lauratro/personal-finance-tracker>

An authenticated React and NestJS application for tracking net worth and investments through yearly charts and a configurable dashboard whose widget layout persists for each user. Includes two predefined, user-scoped Gemini tools for financial analysis, frontend and backend tests, Docker Compose, and separate GitHub Actions CI workflows.

EDUCATION

Code Academy Berlin Full Stack Web Development · React, Gatsby, GraphQL, Netlify CMS	03/2021 — 07/2021
Business Trend Academy · Berlin Online Marketing Manager · SEO, SEA, SMO, HTML, CSS	02/2020 — 06/2020
Ca' Foscari University of Venice, Italy Master's Degree in Marketing and Communication	09/2010 — 02/2013