

Daniele Tortora

Senior Software Engineer | Full Stack Engineer | AI Engineer

Email • LinkedIn • GitHub • Website • Zurich, Switzerland

PROFESSIONAL SUMMARY

Senior Software Engineer with 8+ years building production applications with React, TypeScript, Next.js, Vue, Node.js. Led cross-functional teams to ship complex UIs and modern component libraries, designed scalable APIs in Node.js/Go, and passionate about building AI-powered applications that enhance user experiences.

PROFESSIONAL EXPERIENCE

Full Stack Engineer

May 2024 – Present

Snyk

Zurich, Switzerland - Hybrid

- Enhanced Snyk Open Source by designing and implementing AI-powered features for Deepcode AI (SCA) serving 500K+ daily scans. Architected and deployed microservices with REST APIs (JSON API spec, OpenAPI documentation) across multi-cloud Kubernetes clusters (AWS, GCP).
- Led UI development for a strategic 2025 initiative: an AI-assisted interface enabling enterprise customers to define custom SAST sanitizers. Delivered self-service workflows that saved security teams hundreds of hours and reduced manual effort across orgs.
- Designed a multi-tiered caching and performance strategy for Deepcode AI analysis, reducing p95 latency by 65% and enabling 3x throughput. Drove SLOs and comprehensive observability (Datadog, Prometheus, OpenTelemetry) achieving 99.9% uptime.
- Won 3rd place company-wide at Snyk (>650 participants) for AI adoption: conducted deep exploration of AI tools, delivered company-wide presentation, created learning materials driving productivity improvements.

Tech Stack: Vue 3, React, TypeScript, Node.js, Go, Kubernetes, Vite, Playwright, Vitest, Storybook, Docker, AWS, GCP, Microservices, Real-time Data, Kafka, Datadog

Frontend Tech Lead

Feb 2023 – May 2024

Frontiers

Zurich, Switzerland - Remote

- Led a team of 6 Frontend Engineers to build and launch Brink UI, a Vue 3 component library aligned to a new design system. Conducted cross-functional advocacy, collaborated with teams to understand requirements, designed component APIs, and gathered feedback for adoption. Reached alpha in 5 months; early adoption reduced UI delivery time by ~30% and increased cross-project consistency.
- Owned CI/CD and release strategy (alpha/beta/stable) in a monorepo (Lerna, Nx, GitHub Actions, NPM). Established cross-functional release reviews with Design and QA, reducing defects and improving quality.
- Researched/built tooling for framework compatibility (Vite, Nuxt.js, Tailwind). Built custom Storybook plugins (AST parsing) and contributed fixes/roadmap input to the Vue ecosystem.

Tech Stack: Vue 3, TypeScript, Storybook, Nx, Lerna, GitHub Actions, Docker, NPM, Nuxt.js, Tailwind, Vite, Cypress, Jest, Vitest, Testing Library

Frontend Engineer (Contract)

Jun 2022 – Feb 2023

Meta (Facebook)

Zurich, Switzerland - Hybrid

- Partnered with Mapillary (acquired by Meta) on platform integration: defined migration roadmap and collaborated with stakeholders for phased rollout.
- Led website rewrite (Next.js → React, PHP, Facebook CMS). Improved Accessibility +36%, Performance +17%, SEO +25%; reduced FCP -20% and LCP -60%. Implemented i18n across 24 languages for Mapillary apps (Angular, TypeScript).
- Explored deployment of an independent design system/component library for Mapillary with Facebook/Instagram DS teams; evaluated a headless approach.

Tech Stack: React, TypeScript, PHP, Facebook CMS, Angular, Next.js, i18n, Core Web Vitals, Jest

Senior Frontend Engineer

Nov 2021 – Jun 2022

Tundra

Zurich, Switzerland – Hybrid

- Enhanced WholesaleCoop.com security by architecting OAuth 2.0/JWT authentication strategy and implementing complete UI auth flow across Web and Chrome Extension, serving 10K+ B2B users with zero security incidents.
- Directed Tundra.com migration to hybrid SSR/CSR rendering model using Next.js and React (TypeScript), improving Core Web Vitals by 20–40% (LCP: 2.8s → 1.7s, FID: 100ms → 60ms) and increasing conversion rate by 15%.
- Optimized bundle size by 35% through code splitting and lazy loading strategies, reducing initial load time from 4.2s to 2.7s on 3G networks.

Tech Stack: React, Next.js, TypeScript, OAuth 2.0, JWT, Chrome Extension APIs, Docker, Webpack, Jest, Testing Library, Cypress

Senior Frontend Engineer

Jan 2021 – Oct 2021

Tray.ai

London, UK – Remote

- Architected Tray Docs platform migration from Gatsby to Next.js, building custom MDX compiler for interactive documentation pages. Reduced publishing time by 60% (from 25 to 10 minutes) and increased user engagement by 45%.
- Implemented advanced search functionality using Algolia, improving documentation discoverability and reducing support tickets by 30%.

Tech Stack: Next.js, React, TypeScript, MDX, Algolia, Custom CMS integration, Docker, Jest

Software Developer

Sep 2016 – Jan 2021

OVO Energy | Noble Ltd | London Borough of Hackney

London, UK – Hybrid

- OVO: Built interactive geospatial/time-series UIs and maps across Web, Android, and iOS using React, React Native, Mapbox, and React Map GL. Noble: Contributed to Noble Vision, a real-time network threat dashboard; migrated from Electron desktop to web using React, Redux, TypeScript, and GraphQL. Hackney: Delivered web features using Angular, TypeScript, C#, and .NET Core.

Tech Stack: React, React Native, Redux, GraphQL, TypeScript, Angular, C#, .NET Core, Docker, Mapbox

PERSONAL PROJECTS

Stealth SaaS

Aug 2025 – Present

Revolutionizing Online Learning experience with AI-powered tools.

Tech Stack: React, TypeScript, Next.js, Tailwind, Vercel, OpenAI, Supabase, PostgreSQL, Stripe, Inngest

CalcolaFisco.com

Aug 2025

Built a multilingual Italian tax calculation app for 2025 regulations; gained 800 active users in the first week.

Tech Stack: React, TypeScript, Tailwind, shadcn/ui

EDUCATION

Master of Science (MSc) in Clinical Psychology

2012–2015

Università degli Studi di Napoli Federico II

Naples, Italy

Grade: 110/110

Bachelor of Science (BSc) in Psychology

2008–2012

Università degli Studi di Napoli Federico II

Naples, Italy

Grade: 110/110