

ANDREA LISI

STAFF FRONTEND ENGINEER · VIENNA

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Eighteen years across the full arc of the web, from hand-built servers to cloud platform governance. Today I set technical direction for the **Tosca Cloud frontend platform** at **Tricentis**: monorepo architecture, engineering standards, and the delivery workflows 12+ product teams build with. Underneath the platform work I remain a **hands-on senior engineer**: shipping, reviewing and debugging alongside the teams I serve. I treat modern AI as **core engineering infrastructure** (agentic coding, reviews and gated quality, integrated across the delivery chain), not as a demo. My job is making other engineers faster, safer and more ambitious.

EXPERIENCE	FOCUS	WORKFLOW	DISPOSITION
18+ years	Platform & governance	AI-augmented	Pragmatic, no hype

AI IN PRACTICE

★ Agentic engineering

Claude Code · Cursor · Copilot as daily drivers, IDE and CI

★ Prompt & context engineering

repo-aware context systems, guardrails

◆ AI tooling integration

agentic reviews, CI checks, agent context and rule systems

◆ RAG & embeddings

retrieval over docs and codebases

◆ LLM APIs & evals

Anthropic · OpenAI · quality gates in CI

◆ AI security

OWASP LLM Top 10

CORE STACK

TypeScript

React

Next.js

Nx monorepo

Remix / RR7

Vite · Webpack

Module Federation

Zustand · SWR

Storybook

Node.js

PLATFORM & OPS

GitHub Actions

Docker

Kubernetes

Cloudflare Workers

Sentry · OTel

Feature flags

LEADERSHIP

Technical strategy & RFC culture · architecture reviews across team boundaries · mentoring and developer enablement · DX as a product · incident management & on-call · stakeholder communication.

LANGUAGES

Italian

native

English

fluent

German

beginner · course in progress

EXPERIENCE git log --graph

Frontend Platform & Governance · Staff Scope

2023–now

Tricentis · Tosca Cloud

Vienna, Austria · Senior Software Engineer, Staff nomination in progress

Own the frontend platform architecture

of Tosca Cloud: Nx monorepo orchestration, module boundaries, dependency governance and CI topology across 16 projects.

With the platform architect, form the two-person governance function for 12+ development teams:

drive the RFC process and architectural standards, steer the changes that cross team boundaries, partner with UX and Security.

Drive the maintenance, modernization and scalability of the entire product:

micro-frontend architecture, repo and build tooling, delivery pipelines, engineering standards, observability; bottlenecks are measured first, then engineered out.

Steward the platform all round:

security and vulnerabilities, dependency upgrades, tooling adoption, design system integration, performance and best practices.

Joined as an engineer shipping features across the monorepo for two product teams;

the results led to being asked to co-own platform governance with the architect.

feat/ai-augmented-engineering → merged into main

Our team is tasked with how the company's AI push lands across the monorepo:

direction from staff engineering, the how is ours to set, for all 12+ teams.

Adapt the codebase for agent-supported development:

lint and rule systems once tuned for humans now run strict, so agents write precise, on-standard code.

Integrate what earns its place,

from Claude and Cursor to agentic reviews and pipeline checks, on the same gates as human code.

AI-AUGMENTED DELIVERY: HOW I WIRE IT

repo context

CLAUDE.md · AGENTS.md

agents

IDE · CI orchestration

eval gates

quality bars · AI review

main

same bar as human code

telemetry · eval results · review outcomes feed the next iteration

Agents work with the platform's context and rules baked in (CLAUDE.md, AGENTS.md, pipeline-level rule systems); every AI-generated change lands through the same standards, reviews and gates as human code. That is the governance part of the job.

Frontend Developer

2019–2023

Treedom

Florence, Italy · e-commerce platform for tree planting

Joined to reinforce the storefront, then helped drive the full migration away from the monolithic architecture,

owning the frontend track with React, Vue and GraphQL.

Core team of four (two frontend, two backend), constantly improving product, platform and core architecture:

the foundations we laid held as the company scaled from ~20 to 150+ people, with IT growing to 25 developers.

Built and evolved high-traffic campaign pages

for a platform that planted millions of trees, moving the storefront to a component-driven architecture.

/ EXPERIENCE continued

glace2

0alinit

Frontend Developer

Forzieri.com · Florence, Italy · luxury e-commerce

2017–2019

– Modernized a legacy ASP e-commerce end to end: an incremental migration first to jQuery, then to React with a Webpack toolchain, spanning frontend, backend and the database integration.

– Kept a live luxury shop shipping features throughout the transition, while the stack changed underneath it.

Head of Web · Full-Stack Designer

Easysystem · Figline Valdarno, Italy · web agency & IT services

2007–2017

– Hired as the studio's designer: prototypes and visual identities drawn from scratch for every client project, never assembled from bought templates (Adobe Suite).

– Grew into the on-premise infrastructure technician: servers, networking and firewalls designed and installed inside client companies, notably manufacturers in Tuscany's leather and fashion district.

– A decade owning every step for dozens of clients, from small shops to corporate: from the first sketch of a brand to the servers it ran on.

/ SKILL MATRIX, BY DOMAIN

■ EXPERT □ SOLID --- FAMILIARITY

WEB PLATFORM

Languages & fundamentals

JavaScript ES2023+TypeScript strictHTML5 semanticsModern CSS · Grid · container queriesDOM & Web APIsResponsive / mobile-firstWeb ComponentsWebAssembly

FRAMEWORKS & RENDERING

ReactNext.jsRemix / React Router 7Micro-frontendsModule FederationAstroReact Server ComponentsSSGVue 3AngularSSRPWA

STATE, DATA & APIS

ZustandSWRRESTWebSockets / Socket.ioTanStack QueryRxJSGraphQL · ApolloZodRedux ToolkitNgRxSignals

STYLING & DESIGN SYSTEMS

Sass / SCSSCSS ModulesDesign tokensCSS-in-JSDesign systemsFigmaAtomic designMUIAnt DesignRadix UI / shadcnPrimeReact / PrimeNGTailwind CSSBootstrapPostCSSvanilla-extract

BUILD & MONOREPO

NxViteWebpackpnpm workspacesesbuildRollupBabelTurborepoSWC

TESTING & CODE QUALITY

VitestTesting LibraryJestStorybookMSWESLint · PrettierConventional commits · HuskyPlaywrightBiomeCypress

PERFORMANCE, A11Y & SECURITY

Core Web VitalsLighthouseCode splittingBundle analysisHTTP / CDN cachingWCAG 2.2 · ARIAKeyboard navigationXSS / CSRF · CSPJWT / sessionsWeb WorkersOWASP Top 10OAuth 2 / OIDC

AI ENGINEERING

the strategic bet

AI-assisted coding · Claude Code · Cursor · CopilotPrompt & context engineeringModel Context ProtocolRAG & embeddingsLLM APIs · Anthropic · OpenAILLM evalsOWASP LLM Top 10

CLOUD, DEVOPS & DATA

GitHub ActionsDockerNetlifyFeature flagsKubernetesCloudflare Workers / PagesVercelGitLab CISentryOpenTelemetryMongoDBSQLiteGCP / Azure basicsAWSPostgreSQLRedisDatadog / Grafana

LEADERSHIP & COLLABORATION

System designRFC / design docsTechnical writingMentoringStakeholder communicationEstimation & planningIncident management / on-callGit · rebase · bisectPR review cultureTrunk-based / Git flow

/ SIDE PROJECTS

Lumina · [luminamud.com](#)
A fantasy MUD where words shape the world. Node.js, MongoDB, Socket.io, React, Cloudflare; built end to end with the same AI-augmented workflow I use at work.

Lockhound · [github.com/karedas/Lockhound](#)
Zero-dependency CLI (npx lockhound) that finds and kills the Windows processes locking a folder, via the Restart Manager API.

/ EDUCATION

IFTS Advanced Technical Certificate, Software Development:
Java web application programmer diploma.

Diploma in Arts, Istituto d'Arte di Firenze: where the design half of this CV comes from.

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[www.andrea-lisi.com](#)