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Summary

Senior software engineer with 9+ years in web technologies, building scalable, performant applications. Took on ownership early, delivering client products end-to-end, from requirements to production. Now focused on AI training, system design and agentic workflows.

Education

Harokopio University Athens, Greece
B.Sc. in Computer Science & Telematics *2013 to 2018*

- Thesis: a **Node.js** platform for backtesting crypto trading indicators, executing real-time trades with neural networks (ConvNetJS).

Experience

micro1 May 2026 to Present
AI Training Engineer *Remote*

- Author **reinforcement learning tasks** that train and evaluate frontier **LLMs** on real software engineering work.
- Author **security vulnerability tasks** from real CVE/GHSA advisories in Go, Rust, Java, C#, Python, Ruby and TypeScript: auth bypasses, sandbox escapes and signature flaws, each reproduced by tests.
- Containerize open-source repositories with **Docker** and write automated **test suites** that grade model-generated code.
- Measure **model performance** task by task and reject unreliable ones, keeping training data accurate and reproducible.

instashop Apr. 2025 to May 2026
Senior Software Engineer *Athens, Greece*

- Built the Angular client portal **0-to-1**, owned end to end: shop management, users, permissions, metrics.
- Built REST API features in Node.js, working with a stack including Redis, Druid and MongoDB.
- Worked directly with product owners to clarify requirements and deliver portal features.
- Configured GitHub Copilot skills and MCP servers for AI-assisted development in daily workflows.

Public Group Apr. 2022 to Apr. 2025
Senior Front-End Engineer *Athens, Greece*

- Refactored and developed the website of Greece's largest retail company, serving **5M+ visits per month**.
- Led development and performance optimization of the storefront, ran code reviews and set quality standards with stakeholders and cross-functional teams.
- Provided technical leadership to **junior and mid-level engineers**, coaching them on best coding practices.
- Stack: Angular 16+ (kept current with each release), a custom state store, SCSS, Angular Material.

Cognity Oct. 2019 to Apr. 2022
Front-End Developer *Athens, Greece*

- Worked **on-site with enterprise customers**, side by side with their business users and IT teams, integrating with their existing systems.
- Owned **end-to-end delivery**: requirements gathering with client stakeholders, **PRDs** and technical specs, development, deployment, user acceptance testing and handover.
- Built **two Angular 8+ MEAN stack apps** central to telecom clients' business continuity and disaster recovery plans, including the Node.js/Express/MongoDB backend and MySQL schema.
- Developed an **Angular 12+** customer-onboarding app for an insurance enterprise, deployed via Azure DevOps, with **Core Web Vitals** and **accessibility** practices.

DoubleIp Nov. 2015 to Dec. 2017
Software Engineer (Part-time) *Athens, Greece*

- Built an enterprise intranet management system in Angular 2; supported Drupal CMS platforms and maintained JavaScript/jQuery websites.

Projects

fairtask | *TypeScript, Claude Agent SDK, Node.js, GitHub Actions*

- Agent pipeline that screens SWE-bench-style tasks for unclear issues and over-narrow tests: a judge dispatches two read-only probes into the repository, and a deterministic verifier checks every quoted line against the source.
- Against OpenAI's expert labels on 30 tasks: **75% flag recall** (85% strict) vs. 70% for a one-prompt baseline, with **0% unverifiable evidence** vs. 8–11%.
- Ships as installable Claude Code / Codex agent skills; CI rebuilds the evaluation set byte for byte.

PerfectForm | *Expo, React Native, Python, OpenCV, ViTPose, Supabase, RevenueCat*

- iOS app that grades exercise form **rep by rep from video**: athletes film or import a set, a **Python** worker runs **ViTPose** pose estimation and per-exercise grading, and the app plays back the annotated result. **20 grading pipelines**, from pull-ups and presses to deadlifts and running.
- A vision model checks a few frames to recognise the exercise before grading; whole training-session videos are cut into sets on the worker; **Jev** (TypeSafe AI) adds filming tips and flags borderline reps without changing grades.
- Job queue on Supabase Postgres RPCs with **heartbeat leasing**; Supabase Edge Functions for billing webhooks and account deletion; in-app purchases via RevenueCat; Sentry, Expo push and TestFlight.

Quiz Game | *Angular, Capacitor, NestJS, Supabase, pgvector, Redis, Firebase*

- Mobile quiz app for iOS and Android: Angular with NgRx Signals and Tailwind, packaged with **Capacitor**; Firebase Analytics, Crashlytics and push messaging, AdMob, in-app purchases, Apple/Google sign-in.
- **NestJS** backend on Railway with Supabase Postgres, Redis-backed rate limiting, OpenAI/Gemini APIs, Pino and Sentry; tested with Vitest, Jest and Playwright, released via fastlane.
- Semantic deduplication of **LLM-generated questions** with **pgvector**: Vertex AI embeddings and an HNSW cosine index in Supabase reject near-duplicates before they enter the question pool.
- Multiplayer duels and battle royale on **Redis** session state with distributed locks; Postgres with **row-level security**, 200+ SQL migrations and RPC functions; server-side purchase validation via App Store Server API and Google Play Developer API.
- **GitHub Actions** CI for build, coverage, Playwright E2E, migration drift checks and Android releases; web version shipped as a PWA on Vercel.

Philotimo | *Next.js 16, React 19, Solidity, Foundry, wagmi, viem, Stripe, Base L2*

- Transparent donation platform: card payments become USDC on Base via Stripe Crypto Onramp, and a Solidity router takes a fixed 1% fee and forwards 99% to vetted charities, with a public on-chain receipt.
- Contract hardened with an allowlist, immutable fee and treasury, `ReentrancyGuard` and SafeERC20; covered by unit, fuzz and **Base mainnet fork tests**.
- Frontend with wagmi, TanStack Query, shadcn/ui and Tailwind; Vercel KV, Zod, Sentry and Pino; tested with Vitest, MSW, Playwright with **axe-core** accessibility checks, and **Lighthouse CI**.

Open-Source Contributions | *TypeScript, Angular, React*

- **30 upstream pull requests** across **23 widely used** open-source UI and tooling projects, among them **Angular Components**, **Storybook**, **Mantine**, **NG-ZORRO**, **Taiga UI** and **Carbon Design System**.
- Patches span **accessibility**, component behavior and build tooling: keyboard dismissal in stacked overlays, ARIA attributes, focus management, reactive state and sourcemap correctness in Storybook's Vitest addon, each with regression tests and shipped through maintainer review.

Technical Skills

Languages: TypeScript, JavaScript, Python, SQL, Solidity, HTML, SCSS
Frontend & Mobile: Angular 2+, React, React Native, Expo, Next.js, Vue, Capacitor, NgRx, Tailwind
Backend: Node.js, NestJS, Express, REST APIs, Parse Server, MongoDB, MySQL, Postgres, pgvector, Supabase, Redis, Firebase
AI & Agents: LLMs, Agentic Workflows, Claude Agent SDK, OpenAI / Gemini APIs, Prompt Engineering, LangChain, Vector DBs, Agent Evals, RL Environments
Testing & Quality: Playwright, Vitest, Jest, MSW, Foundry, axe-core, Lighthouse CI, Core Web Vitals, Accessibility
DevOps & Tooling: Docker, CI/CD (GitHub Actions, Azure DevOps), GCP Vertex AI, Vercel, Railway, Vite, Storybook, Sentry