

Sercan Akman

AI-First Software Architect / Principal Engineer

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SUMMARY

AI-first software architect with 9+ years building production systems across React, Next.js, Vue/Nuxt, Angular, Node, PHP, and Python. Architect of HAPI Elements at VONQ — an SDK and embeddable-widget platform that cut partner integration timelines from years to weeks. Specializes in reusable component libraries, multi-tenant frontend platforms, embeddable SDKs, public API surfaces with backwards-compatibility contracts, and large-scale codebase migrations. Founder of Tektonomy.

SKILLS

Languages	TypeScript, JavaScript, PHP, SQL, Python
Frontend	React, Next.js, Vue/Nuxt, Angular, Tailwind, MobX, Storybook, SASS/BEM, CSS Variables theming
Backend & APIs	Node.js, Express, NestJS, Slim PHP, Laravel, Ruby on Rails, Django, REST, WebSockets
Databases	MySQL, PostgreSQL, MongoDB
Real-time & Streaming	WebRTC, WebSockets, Wowza, Nanoplayer, push notifications
Testing & Quality	Jest, Enzyme, Playwright E2E, Karma, Storybook, MDX/OpenAPI docs
DevOps & Observability	Docker, AWS ECS/Fargate, Jenkins, multi-environment pipelines, Sentry, New Relic, Sumo Logic
AI / LLM	Context engineering, Claude Code, Cursor, LangChain, RAG, MCP, n8n, prompt and constraint design, AI code review
Web3	Bitcoin Cash, Solidity smart contracts, Truffle, Ganache, web3.js
Leadership	Multi-team, multi-time-zone engineering leadership, mentoring, code-review culture, documentation-as-product, stakeholder requirements

EXPERIENCE

Lead Software Engineer, VONQ

Sep 2022 – Present

Remote

- Architected HAPI Elements, VONQ's production SDK and embeddable-widget platform letting Applicant Tracking Systems integrate the Hiring API (campaigns, contracts, wallets, checkout, order journeys) as drop-in widgets. Cut partner integration timelines from years to weeks.
- Shipped a Next.js / TypeScript / Tailwind monorepo with a MobX-backed SDK on window.hapi, an iframe widget layer, the public @vonq/hapi-elements-types npm package, a Fumadocs developer portal, and multi-environment Docker / AWS ECS deploys.
- Defined and owned the public SDK surface with documented backwards-compatibility contracts (functions, events, globals, HTML / ARIA hooks, translation keys, state shapes, types) and a typed deprecation cycle so ATS integrations survive feature work.
- Drove the end-to-end re-architecture of VONQ's frontend into a shared module system (domain services, state, events, validation, i18n across 6 locales) reused by HAPI Elements and EQO, VONQ's AI-driven recruiter platform.
- Spearheaded EQO end-to-end: job authoring, candidate flow, ATS surfaces, and AI agents automating application and applicant-evaluation workflows.
- Owned partner onboarding as technical point of contact, backed by regression tests guarding the SDK surface and a Playwright E2E suite covering both browser UI and Hiring API request mode.

Frontend Architect & Lead, FriendFinder Networks

Jul 2019 – Sep 2022

Remote

- Architected the FFN Frontend Library (React + TypeScript + Tailwind + MobX + CSS-Variables theming) — a single component substrate powering hundreds of affiliate and co-brand sites across the company's flagship dating properties.
- Led a multi-team senior frontend engineering organization across multiple time zones and product streams; established cross-department communication rituals with leads and managers.
- Engineered reusable React modules — Messaging, ThemeManager, APIFacade, AxiosBridge, LayoutManager, Media Viewer/Manager — shipped into multiple production apps.
- Built a mobile + desktop live-streaming player at parity with Twitch/YouTube but optimized for mobile browsers: adaptive layouts, multi-zone tap and gesture interaction, layered z-index choreography, runtime browser detection so older mobile WebViews degraded gracefully.
- Rewrote the broadcasting module from AngularJS into a customizable React module integrating WebRTC, WebSockets, Wowza, and Nanoplayer, unblocking reuse and removing a legacy maintenance liability.
- Drove the JS → TS migration; eliminated Bootstrap, Material UI, and redundant third-party packages in favor of the in-house library, measurably reducing bundle size and onboarding time.

Senior Frontend Architect, eTaşın

Oct 2019 – Dec 2019

Remote

- Designed and built the public booking and storage-reservation system for a fast-growing moving & storage company (origin/destination capture, inventory, storage duration). Stack: Vue, Nuxt.

Senior Full-Stack Architect, UBI Automation

Jun 2018 – Aug 2019

Remote

- Extracted client requirements and delivered a multilingual corporate site plus internal dashboard for project-showcase management (ubiotomasyon.com). Stack: React, Redux, PHP 7.1 (Slim Framework), MySQL, i18n.

Lead Software Engineer, VQ Labs

Dec 2017 – Jun 2019

Remote

- Architected and shipped HonestCash (github.com/honest-cash/honestcash), an open-source Medium-style publishing platform where authors earn Bitcoin Cash via reader upvotes. Built both backend (Node.js, MySQL) and frontend (Angular 8 Universal, NgRx Store & Effects, Karma) end-to-end.
- Prototyped Ethereum smart contracts adjacent to the platform using Solidity, Truffle, Ganache, and web3.js.

Full-Stack Engineer, TDSmaker

Dec 2016 – Dec 2017

Remote

- Rewrote the drag-and-drop datasheet builder from jQuery to AngularJS; added an RBAC system, accounting/billing dashboard, customer-support tooling (log-in-as), and 10+ platform integrations (Stripe, Algolia, HubSpot, Intercom, Segment, Autopilot, Mailchimp, Swagger, Sentry, Google APIs).
- Built a custom SFTP-based multi-environment deploy script with CLI prompts and Slack notifications; published `gulp-sftp-with-callbacks` on npm.
- Refactored Node.js backend to async/await with concurrency primitives; shipped supporting marketing site (Express + Jade/Pug) and an Ionic mobile companion app.