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Summary

Associate Tech Lead with 11+ years of experience. Architect of a greenfield live streaming platform on **AWS IVS, AppSync and WebSocket Lambdas**, load-certified at **500 concurrent attendees**. Previously modernized a 10+ year old Node.js platform: **3.4M lines removed, zero downtime**, v6 to v14. Enterprise clients: Snapchat, Disney, Rolls-Royce, United Airlines.

Key Metrics

3.4M lines removed	10 min onboarding	66% smaller payloads
v6 to v14 Node upgrade	20,935 files changed	0 failed requests at load

Technical Skills

Languages: JavaScript/TypeScript, Python, HTML5/CSS3/SCSS
Frontend: React, Next.js, Gatsby, React Native, Tailwind, shadcn/ui, Highcharts
Backend: Node.js, Express, MongoDB Atlas, Mongoose, Redis/ElastiCache, REST, GraphQL
Cloud: AWS (IVS, AppSync, API Gateway WebSocket, Lambda, Cognito, MediaConvert, S3, CloudFront), Docker
Other: Turborepo, pnpm, Terraform, k6, Playwright, Sitecore MVC, Vite, Git
AI-Assisted: Claude Code, MCP servers, custom agent skill authoring, AGENTS.md conventions

Professional Experience

IDX (formerly Investis Digital) 2015 - Present
Associate Tech Lead (2024-Present) | Senior Software Engineer (2020-2024) | Frontend Developer (2015-2020)

Key Projects:

- **Event Streaming Platform (greenfield):** Turborepo monorepo — Next.js apps, AppSync + WebSocket real-time layer, Cognito OTP auth, IVS to MediaConvert media pipeline. Dev Containers cut onboarding to **10 min**.
- **Performance & Readiness:** 15-scenario k6 + Playwright harness built through 5 self-authored **agent skills** + a k6 MCP server; **500 concurrent attendees**, 63,813 requests, **0 failed, p95 329 ms**. Authored the pre-launch security audit and DR runbook.
- **Legacy Modernization:** Node v6 to v14 across **20,935 files**, removed **3.4M lines**, zero downtime; extracted reporting into its own service.
- **Energy Analytics:** React + Highcharts dashboard, Python ingestion on Lambda, Terraform infra, React Native app with push. **66%** smaller payloads.
- **GDPR Suite:** Consent plugin (Gulp to TypeScript/Vite) + hardened serverless API across 20+ enterprise domains.
- **Enterprise Frontend:** Sitecore MVC for **Snapchat, Disney, Rolls-Royce, United Airlines, HP, WWE, Kellogg's**.

Selected Achievements

- **Code Reduction:** 3,488,100 lines removed — 99.8% of codebase
- **Zero Downtime:** Major version upgrades across 20,935 files
- **Reliability:** Load-test program, readiness audit and DR runbook delivered pre-launch
- **Security:** SAML/Azure AD SSO, CSP, reCAPTCHA, rate limiting, pen test remediation
- **Leadership:** De facto architect on 4-engineer team, reporting to CTO

Education

B.Tech in Information Technology 2015
School of Engineering, RK University, Rajkot, India