

Spencer Asavadejkajorn

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Software Engineer

SUMMARY

Full-stack engineer who designs and owns production services end to end. Sole engineer on a cloud media-transfer service moving large-format media across six storage backends and high-speed protocols, and a core contributor across nine services on a multi-tenant platform serving major studio and streaming clients. Depth in legacy framework migrations, serverless infrastructure as code, CI/CD automation, and AI-assisted development workflows.

TECHNICAL PROFICIENCIES

Languages: TypeScript, JavaScript, PHP, Go, SQL, Bash

Front-End: Vue 3, Nuxt 4, React, React Native, SvelteKit, Redux, TanStack Query, Tailwind CSS, Storybook, HTML, CSS

Back-End: Node.js, Laravel, Express, Hono, Drizzle ORM, PostgreSQL, Aurora, MySQL, MongoDB, Valkey/Redis, REST, GraphQL, OIDC/OAuth2

Infrastructure: AWS (Lambda, ECS, RDS/Aurora, RDS Proxy, S3, CloudFront, SQS, SNS, ElastiCache, VPC), SST, Docker, CloudFormation, GitHub Actions, Trigger.dev, Kubernetes

Testing & Observability: Vitest, Cypress, Playwright, Jest, PHPUnit, Sentry, CloudWatch

AI Tooling: Claude Code, Cursor Agents, Codex, Model Context Protocol (MCP), agent harness design, CI review gates

EXPERIENCE

Blu Digital Group (acquired by TransPerfect) – Software Engineer

2023 – Present

Built and modernized features across an end-to-end media supply chain — ingest, transcoding, workflow orchestration, QC, and delivery — on a multi-tenant platform serving major studio and streaming clients. Shipped across nine services and served as a primary reviewer for infrastructure and migration work. Acquired by TransPerfect Translations in 2025.

- Sole engineer on BluTransfer — designed, built, and operated a TypeScript serverless service moving large-format media across S3, Wasabi, Backblaze B2, Rstor, OpenDrive, and IBM Aspera FASP, sustaining roughly 7,000 file transfers a week at 150–300 MB/s
- Replaced a fixed three-worker transfer pool — where three long-running jobs blocked the entire queue — with an autoscaling ECS fleet that bursts to 100 concurrent transfers, eliminating head-of-line blocking
- Built cost-aware egress routing that selects a transfer path per provider contract, encoding asymmetric upload/download rates and included-egress allowances, with on-premise integration for local delivery
- Led Vue 2 → 3 and Laravel 8 → 12 migrations across the platform's front end and PHP core, improving page load times 75%
- Cut a studio dashboard's load time from 40s to 1.9s (95% faster) by memoizing per-tenant config resolution, eliminating ~15,000 redundant cache reads per request
- Replaced the async workflow engine in the next-generation Nuxt 4 platform with Trigger.dev, adding per-branch preview deployments and self-healing CI dispatch routing
- Migrated BluTransfer from MySQL to PostgreSQL on Aurora and upgraded SST 3 → 4 onto a shared-VPC topology, then automated enterprise OIDC client registration to remove a manual cross-team ticket from every new environment
- Built ephemeral per-PR environments — isolated subdomain, database, and auth client, provisioned on open and torn down on close with nightly sweeps — replacing a contended shared staging queue
- Built out the Cypress end-to-end suite and the non-production login endpoint that unblocked automated testing behind MFA
- Extended the team's AI harness with pattern rules, agent definitions, and CI quality gates for PR review, issue triage, and migration-conflict repair; authored a stack-agnostic harness template for AI-assisted development

Lessen – Software Engineer

2021 – 2022

Designed and launched scalable web and mobile applications using TypeScript, React, React Native, Redux, Hasura, GraphQL, PostgreSQL, Kubernetes, and AWS on both iOS and Android platforms.

- Transitioned vendor experiences from monolithic architecture to microservices, incorporating Okta authentication.
- Developed automated CI/CD pipelines leveraging GitHub Actions, Appcenter, and Fastlane to streamline deployments.
- Optimized application performance using FullStory and Sentry for event tracking and debugging.
- Integrated push notifications and automated workflows to enhance user engagement and reduce task completion times by 65%.
- Implemented reusable, responsive components with Storybook, maintaining high standards for UI/UX design.
- Enabled service professionals to submit invoices on the go by building a mobile invoicing system, reducing end-to-end job completion time by 50%.

EDUCATION

Hack Reactor – Advanced Software Engineering Program

2021