

Chris Stayte

Senior Software Engineer | Technical Lead

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SUMMARY

Senior software engineer and technical lead with 13+ years building cross-platform products, hybrid cloud/on-premise systems, and developer tooling. Architected an eight-repository NCAA event platform, an air-gapped exhibit platform, and fitness products generating \$1.2M+ in annual subscription revenue. Strongest at turning ambiguous client requirements into production architecture, delivery plans, and reliable launches.

CORE TECHNOLOGIES

Product Engineering: Flutter/Dart, TypeScript, React, Next.js, Swift/Kotlin, C#/.NET, Python/FastAPI

Platforms and Data: Firebase/GCP, RevenueCat, PostgreSQL, BigQuery, Docker/Caddy, Azure DevOps, CI/CD

Architecture: Hybrid cloud/on-premise, air-gapped systems, cross-platform SDKs, offline sync, analytics/observability, GIS, AR/XR

EXPERIENCE

Pixel and Texel

Senior Software Engineer

Remote

Oct 2021 - Present

Technical lead across mobile, web, backend, cloud, live-event, and interactive-installation systems for enterprise, consumer, and public-sector clients.

NCAA Final Four Activation Platform

2026

- Architected and shipped core services for an 8-repository hybrid platform used at NCAA Final Four activations for Coca-Cola and BODYARMOR, integrating Sony camera control in C++, Next.js/TypeScript portals, PostgreSQL, S3-compatible storage, Firebase, Docker, and Caddy.
- Established repository ownership, PR review gates, and reusable AI-assisted workflows across the multi-repo activation, supporting on-site issue triage and a smooth launch.

Colorado Judicial Learning Center Modernization

2025 - Present

- Architected an air-gapped Linux/Docker platform for a 14-exhibit modernization program, provisioning approximately 30 exhibit computers with PXE, FastAPI, PostgreSQL, Tailscale, and a central control dashboard.
- Built a Dockerized Next.js/Fastify system that synchronized video across four displays via WebSockets, integrated physical controls and exhibit lighting, and supported production-like hardware testing for reliable deployment.

Fitness and Consumer Platforms

2024 - 2026

- Designed data, analytics, and subscription systems for Flutter/Next.js fitness products that generated \$1.22M in 2025 revenue across 54K+ transactions, using Firebase Data Connect/PostgreSQL, RevenueCat, GA4, and BigQuery.
- Shipped cross-platform applications and administration systems with Firebase Auth, Cloud Functions, subscriptions and entitlements, analytics, deep links, and content/community workflows.

Woolpert

Dayton, OH | 2013 - 2021

Geospatial Application Engineer

2018 - 2021

- Designed, tested, and maintained 150+ C# and Python tools, extensions, and scripts that automated geospatial workflows across business sectors.
- Improved hydrography delineation by 50% through redesigned tools and data indexing.
- Maintained large-scale geospatial databases supporting thousands of client connections.

Remote Sensing Team Leader (concurrent role)

2018 - 2021

- Led spatial data collection, integration, analysis, and automated feature extraction for a remote-sensing team.
- Planned project workflows against quality, schedule, and budget constraints; coached team members and communicated performance and improvement plans.

Remote Sensing Technician

2013 - 2018

- Analyzed GIS and remote-sensing data, produced reports and 3D terrain models, and applied object-based image analysis to extract surfaces, crop types, buildings, and land-use features.

SELECTED ENGINEERING WORK

Open-source portfolio: 49 public repositories across six primary languages; 100+ stars and 28 forks.

Rate My Plate | Next.js, TypeScript, PostgreSQL, Drizzle ORM, Better Auth

- Built a full-stack community product with OAuth, database-backed sessions, role-based administration, moderation, relational constraints, and generated social-preview routes.

Whisper API Hybrid | Python, FastAPI, faster-whisper, OpenAI/Groq, Docker

- Built a multi-provider transcription service with local or hosted inference, async job queues, concurrency controls, webhook callbacks, file chunking, optional authentication, and CPU/GPU container images.

dart-meta-dat | Flutter, Dart, Kotlin, Swift, Meta Wearables SDK

- Created a cross-platform plugin for Meta wearables covering device registration, discovery, permissions, photo capture, and camera video streaming on iOS and Android.

Pinocular | Next.js, TypeScript, WebSockets, Docker

- Built a browser-based Pino log viewer with upload/paste workflows, filtering, real-time directory watching, reconnecting streams, and self-hosted multi-architecture images.

TECHNICAL COMMUNITY

- Published 27 programming tutorials reaching 556K+ total YouTube views and 3K+ subscribers across Python/VS Code, Hugo, Netlify, React, and API topics.
- Presented Meta Connect 2025 findings and practical spatial-computing SDK implications to the engineering organization.

EDUCATION AND CERTIFICATION

Associate of Science in Computer Science | Sinclair Community College, Dayton, OH

Foundational C# with Microsoft | freeCodeCamp | 2024