

Kevin Chen

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Senior software engineer with 10+ years building distributed backend platforms, shaping architecture across teams, and raising engineering leverage through platform and AI-native practices.

Professional Experience

 **Senior Software Engineer** Sep 2024 - Present
Aspira Remote - Philadelphia

- Translated on-site state-park requirements into designs for versioned, conditional, and shareable reservation rules while challenging subsequent configuration and taxonomy models
- Cut typecheck time from 82 seconds to 4 seconds (95%) with remote caching; later led an 11-point CI/CD initiative and traced 60+ second tests to DI barrel re-exports
- As the first engineer through the DevOps rotation, redesigned Slack alarms, eliminated false-positive capacity alerts, added structured query logs, hardened load-balancer headers, and guarded migrations and N+1 queries
- Set standards for documentation, code review, and AI context quality while piloting next-generation linting, formatting, and TypeScript tooling
- Lead an AI guild with 5-10 regular attendees; benchmark agent models and evaluate reusable skills and knowledge graphs for codebase context

Stack: TypeScript | AWS | SST | CDK | Aurora PostgreSQL | DynamoDB | OpenSearch | Nx | Apollo GraphQL | New Relic

 **Senior Software Engineer** Sep 2022 - Sep 2024
Teaching Strategies Remote - Bethesda

- Built a greenfield cloud platform for modernizing an early-childhood education product
- Led design of a change-aware legacy-data migration into the new platform
- Mentored teams through the transition from REST to GraphQL while establishing telemetry, automated delivery, and infrastructure as code

Stack: Go | AWS | Aurora PostgreSQL | Hasura | GraphQL | OpenTelemetry | New Relic | Argo CD | Helm | Terraform

 **Software Engineer** Mar 2022 - Sep 2022
The Drivers Cooperative Remote - New York

- Implemented a geospatial dispatch-ranking service for driver assignment
- Built a real-time operations UI for vehicle tracking

Stack: Go | TypeScript | React | H3 | Google Maps | Hasura | GraphQL | PostgreSQL

 **Software Engineer II** Mar 2021 - Mar 2022
Care.com Remote

- Led cross-level provider data-model design and built an event-driven ingestion pipeline that onboarded hundreds to thousands of acquired providers into search
- Built a pipeline that loaded warehouse-generated provider rankings into search for ranked results
- Built a delayed workflow that converted unclicked search impressions into provider leads after 60 minutes
- Automated daily ad geo-target synchronization by joining campaign providers with postal-code data

Stack: AWS | Kafka | DynamoDB | Elasticsearch | Lambda | S3 | gRPC | Protocol Buffers | Google Ads API

 **Software Engineer I - II** Oct 2018 - Mar 2021
IrisVR New York

- Owned the data model and API for a generally available cloud filesystem that freed CAD projects from local machines for wireless VR workflows
- Designed performant descendant-change detection so deep file-tree updates propagated without repeatedly scanning the full hierarchy
- Shipped an issue-tracking system for architects, engineers, and construction teams collaborating in VR
- Improved APIs through tracing, batching, and parallelization, and raised the company's Web Vitals score from 50 to 90

Stack: Go | TypeScript | React | GCP | Firestore | MongoDB | gRPC | GraphQL | GatsbyJS

 **Software Engineer** Jun 2015 - Oct 2018
TeslaGov Tysons Corner, VA

- Modernized a legacy monolith and built an authentication and profile microservice for cloud deployment

Stack: Java | Spring Boot | Hibernate | MySQL | React | Redux | AWS | Gradle

Education

 **Bachelor of Arts** 2011 - 2015
Williams College USA