

Halvin Shen

Legal name: Wenxiang Shen

Senior Full-stack Engineer / Team Lead | B2B Systems, Product Delivery

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Xi'an, China (UTC+8) | Open to relocation to Japan, New Zealand, or Germany | Visa sponsorship required

Languages: Chinese (Native), English (Professional), Japanese (Basic)

PROFESSIONAL SUMMARY

Senior Full-stack Engineer and Team Lead with 10+ years of experience across frontend architecture, full-stack product delivery, and technical leadership in logistics and B2B commerce. Lead a six-engineer team at Mercaso, owning architecture and delivery across React/TypeScript applications, Java/Spring Boot services, Node.js integrations, and Docker/Kubernetes. Previously spent eight years at NEXT Trucking, progressing to Staff Frontend Engineer / Guild Lead while building web applications, BFF services, and Java-backed integrations as the company grew from Series A to D.

SKILLS

Frontend Engineering: React, TypeScript, JavaScript, Next.js, AngularJS, component architecture, design systems, state and data-fetching architecture, frontend monorepos, shared application shells, performance, accessibility

Backend, Data & Platform: Node.js, Express, NestJS, Java, Spring Boot, REST APIs, GraphQL, BFF patterns, PostgreSQL, Prisma, domain modeling, data validation, async workflows, Docker, Kubernetes, CI/CD

Quality & Observability: unit testing, E2E testing, Playwright, Vitest, test strategy, quality workflow productization, CI smoke gates and release validation, request tracing, monitoring and alerting, Datadog RUM

Product Engineering: requirements discovery, SOP-to-product translation, business-process modeling, operational workflow design, user shadowing, product analytics, data-driven iteration

Team Leadership & Delivery: team leadership, roadmap decomposition, milestone and sprint planning, stakeholder communication, architecture trade-offs, technical review, mentoring and onboarding, release coordination

AI Product & Engineering: LLM workflow design, AI-assisted data validation, structured outputs, evaluation workflows, human-review gates, AI-assisted development

PROFESSIONAL EXPERIENCE

Mercaso

Jun 2024 - Present

Staff Engineer / Team Lead

Series B B2B wholesale commerce startup | 6-engineer team | Item management (IMS) / purchasing (PO) / warehouse (WMS) / delivery

Led six engineers building Mercaso's B2B operations platform, replacing paper, spreadsheets, and fragmented external tools with connected systems for a business with a 50K+ SKU catalog, about 200 suppliers, 50-100 internal users, and \$6M-\$10M in monthly order value.

Engineering & Architecture

- Owned architecture across React/TypeScript applications, Java/Spring Boot domain services, and TypeScript/Node.js integrations, with Docker/Kubernetes delivery and observability across catalog, purchasing, and warehouse workflows.
- Defined boundaries across item, supplier, pricing, cost, replenishment, PO, receiving, and audit domains, maintaining Java services while introducing isolated TypeScript services for integration and automation.

Product & Business Impact

- Unified catalog, supplier cost, purchasing, and warehouse handoff around shared data, retiring three external platforms and eliminating duplicate paper and spreadsheet maintenance.
- Established continuous item-data governance through AI-assisted taxonomy checks, receipt OCR, cost ingestion, matching, margin review, and human approval. Cost workflows maintain trusted data for the top 90 suppliers and cover about 80% of active SKUs monthly; receipt OCR achieves about 96% matching.
- Reworked purchasing around replenishment logic, buyer review, supplier preparation, and WMS receiving, cutting typical PO handling from about 30 minutes to 3 minutes and reducing error and stock risk.

Mercaso — continued

Jun 2024 - Present

Product & Business Impact — continued

- Led the 2024 WMS rollout; batching and picking workflows processed 150+ batches, 6,125 picking tasks, and 191,614 items, saving an estimated 697 hours, while shared inventory contracts connected PO receiving to WMS.

Leadership, Delivery & Quality

- Led six engineers across frontend, backend, data, and platform work, owning architecture trade-offs, code review, sprint execution, releases, and cross-module contracts.
- Owned product discovery and planning across IMS, PO, and WMS-facing operations, translating SOPs, user research, feedback, and Datadog RUM signals into roadmaps and specifications.
- Built a domain-based E2E test system covering 8 domains and 121 runnable cases, with production-safe post-release and scheduled runs, API-backed CI history, and Jira-linked issue follow-up.

NEXT Trucking

Jul 2016 - Jun 2024

Staff Frontend Engineer / Frontend Guild Lead (Mar 2022 - Jun 2024) | Senior Frontend Engineer (Jul 2019 - Mar 2022) | Frontend Engineer (Jul 2016 - Jul 2019)

Series A to Series D logistics startup | Carrier / Shipper / Fleet / Admin portals | 8-10 engineer frontend guild

Progressed from Frontend Engineer to Staff/Guild Lead over eight years as NEXT grew from Series A to D, building business systems and the shared application platform behind four portals used by thousands.

Engineering & Architecture

- Delivered React/TypeScript applications and Node.js BFF services using NestJS and GraphQL while maintaining Java-backed integrations across logistics, finance, document, and location domains.
- Evolved AngularJS applications through React to Next.js, completing TypeScript adoption and establishing shared contracts, tooling, shell, and routing across the monorepo.
- Designed a shared shell, routing, and feature flags that let 6-8 teams release daily and roll back independently without disrupting navigation across portals.

Product & Business Impact

- Scaled Carrier, Shipper, Fleet, and Admin portals for thousands of users across freight, drayage, tender, document, accounting, payout, equipment, and location workflows.
- Supported new logistics, financial, and enterprise workflows by turning complex operations into reusable product, API, and integration patterns.

Leadership, Delivery & Quality

- Led an 8-10 engineer frontend guild across US and China, supporting onboarding and reviews for about 10 engineers, hosting 10+ annual technical sessions, and aligning architecture, security, observability, and standards.
- Established shared engineering standards and tooling across business lines, modernizing package management, caching, linting, build, and test workflows and cutting CI from about 20 minutes to 5 minutes.
- Strengthened security with Auth0 authorization and created an engineering feedback loop combining CI quality data, Datadog RUM/session replay, dashboards, Slack alerts, and Jira-linked issue follow-up.

YiYangXinTong

2015 - 2016

Engineer

Telecom client | Network equipment management web application

Engineering & Delivery

- Maintained and enhanced a network equipment management web application for a telecom client.

EDUCATION**Xi'an University of Architecture and Technology**

2011 - 2015

Bachelor of Computer Science