

Nathan Schwartz

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Work Experience

Senior Software Engineer and Tech Lead | [Wayfair](#) Oct 2021 - July 2024

An e-commerce company with the goal of helping everyone, anywhere create their feeling of home

- Implemented last-mile facility arrival confidence capabilities, which improved large parcel delivery times by ½ day
- Shipped features for and improved stability of an internal review tool which improved user efficiency by 97.3%
- Implemented type safety for kafka messages and rolled out to dozens of apps each processing >1 billion msg/day
- Designed and implemented core data pipeline modules for changelogging, diff syncing, and data override support
- Collaboratively negotiated MVP scope, design revisions, risk mitigations, and project OKRs with respective owners
- Decomposed product requirements and drafted application architecture, API specifications, and schema contracts

Senior Software Engineer and Tech Lead | [Point Health](#) May 2020 - Sept 2021

Smart Healthcare platform which provides navigation, bill reduction, and a seamless and unified patient experience

- Reduced search response time by 99.5% by redesigning and implementing a new architecture using Elasticsearch
- Architected and deployed data pipelines and APIs for HIPAA compliant user enrollment via insurance providers
- Completed backend support for user enrollment, Rx coupons, and the comparison of medical procedure pricing

Senior Software Engineer and Team Lead | [MerlinLabs](#), [HomeServices of America](#) Aug 2019 - Apr 2020

Real estate platform that guides people through the homeownership journey and connects them with the right experts

- Ran system design discussions with team members, technical leadership at HSOA, and consulting architects
- Absorbed manager responsibilities including 1:1s, performance management, hiring, and onboarding process

Software Engineer II and Tech Lead | [MerlinLabs](#), [HomeServices of America](#) Nov 2017 - Aug 2019

- Grew a team for backend systems and platform architecture and helped with interviewing and onboarding
- Designed and implemented core services: notifications, search, data ingestion, task scheduling, and GraphQL API
- Owned Ops, SRE, and release processes; Set up remote and local environments, CI, CD, and code quality checks

Software Engineer I | [Concierge Auctions](#) (2x employee of the month) Sept 2016 - Nov 2017

Online and agent-friendly marketplace for real estate where the world's finest properties are sold to the highest bidder

- Tech lead of Lead Identification and Enrichment project which doubled the high value leads in Sale's pipeline
- Implemented site search with Algolia, which drastically improved search result relevance and site performance
- Authored AMQP integration for the FOSS microservice framework used by our business-critical processes

Skills

Microservices • GraphQL • REST • Java • C# • Node.js • Python • SQL • Elasticsearch • Redis • Tracing • AMQP
• CI/CD • React.js • Stream & Batch Processing • Kafka • Full-stack Development • Docker • k8s • Apache BEAM

Education

MakerSquare (now HackReactor at Galvanize) | *Advanced Software Engineering Immersive Program* Spring 2016

University of Minnesota - Duluth | *CS & Math Classes* 2013 - 2014