

Kyle Peter Fritz

Consummate engineer and mentor looking to elevate a team
by cultivating curiosity, deep technical understanding, and zeal for mutual growth.

Education

Massachusetts Institute of Technology

Bachelors of Science in Electrical Engineering and Computer Science

Relevant Experience

Audible

Software Development Engineer

July 2015 – Present

- Collected stakeholder requirements, estimated potential impact, and prioritized team roadmap in coordination with company-wide planning.
- Coordinated development efforts across disparate company initiatives to create a shared infrastructure of services and a unified resource model.
- Designed, implemented, released, and maintained new APIs for product browse and discovery, position tracking, and customer libraries.
- Advocated for best practices across engineering team for contributions to API services.
- Combined other language techniques with idiomatic Java for clear, reliable code.

ZocDoc

Senior Principal Engineer

September 2014 – June 2015

Principal Software Engineer

July 2013 – September 2014

Senior Software Engineer

June 2012 – July 2013

- Devised and implemented foundations of microservice architecture. Wrote infrastructure for handling service operations. Provided deployment tools for creating, testing, and updating services across environments. Prescribed use of NuGet packages for versioning, sharing, and deploying service implementation code and contracts.
- Introduced new technology and patterns, including MSMQ as a transport medium, horizontal table partitioning to eliminate index fragmentation in high volume monitoring database, indexed views for persisted data aggregation, and custom MSBuild targets for a more iteration friendly development environment.
- Consolidated disparate job schedulers and established patterns for resilient tasks, including batch operations, change logs, and saving incremental results.
- Sparked an engineering team-wide effort to modularize monolithic code base.
- Lent expertise to other subteams confronted by challenging projects.
- Delivered multiple tech talks to generate team excitement for internal technology and interest in the industry's state of the art.
- Authored and open sourced class libraries.

Capital IQ

Software Engineer

July 2009 – June 2012

- Developed browser-based applications with asynchronous services and real-time data.
- Developed suite of data collection workflow tools using WPF for remote research teams.
- Incubated a team of specialized researchers to troubleshoot and refine collection processes.
- Led and expanded new hire training course. Mentored junior developers and interns. Helped integrate multiple distinct development teams after acquisitions.