Sitian Liu

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Experience

I am a lead developer passionate about meaningful designs and building rich experiences with years of experiences leading agile development of reliable real-time services and delightful UIs for both start-up and corporation.

09/2016 ~ Present — **Senior Software Engineer, TripAdvisor,** Needham, MA
- Lead component-based full stack development building responsive, real-time UI/UX across multiple travel demand/supply web platforms with React, GraphQL, Java, Node.js and PostgreSQL
- Design and implement flexible, scalable, high-availability cross-platform services handling critical transactions for millions of clients
- Drive and manage technical vision and new architectures on an ongoing basis to meet the evolving product roadmap
- Mentor engineers on front-end best practices and tooling for productivity, developer experience, and performance

03/2015 ~ 09/2016 — **Principal Software Engineer, Drift,** Cambridge, MA
- Lead full stack development for responsive, delightful real-time customer marketing/support conversational platform using React, Java, Node, and AWS
- Architected and managed frontend infrastructure and technical roadmap for scale, quality, automation, and developer experience
- Led engineers in coding best practices with documentation and tech talks
- Helped manage the product roadmap by constantly evaluating values and costs of technical solutions and reducing redundancies in design and executions

03/2012 ~ 03/2015 — **Software Engineer II, TripAdvisor,** Needham, MA
- Full stack development on responsive localized consumer-facing e-commerce solutions and internal toolings for millions of users
- Built reliable and scalable backend services for traveler messaging and CRM platforms with Java, PostgreSQL, ElasticSearch, and Node

07/2011 ~ 03/2012 — **Service Performance Engineer Co-op, Akamai,** Cambridge, MA
- Created a web platform for visualizing network traffic and predicting congestions and failures using big data over large CDN networks

Education

2011 ~ 2013 — **Northeastern University**, Boston, MA
Master of Science, Computer Science, Concentration in AI, GPA: 3.9/4.0

2006 ~ 2010 — **University of Massachusetts**, Amherst, MA
Bachelor of Science, Computer Science and Mathematics

Skills

Frontend
Javascript, React, HTML/CSS, ES6/Babel, Open-source, GraphQL, Webpack, SPA & PWA, UI/UX Design, Functional Programming, Web Optimization

Backend
Java, Node, Service-oriented Architecture, Cloud Services, Database Design(Relational/non-relational), Test-driven development, AI/ML