Noah Schlager

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Overview

Staff Software Engineer with expertise in large-scale search, ranking, and general distributed systems. Experienced technical leader with a track record of driving cross-functional initiatives, mentoring engineers, and delivering measurable impact.

Skills

- Technical leadership, cross-functional collaboration, mentoring, and design reviews.
- Search, distributed systems, data pipelines, and system design.
- Technologies: Kafka, Flink, Spark, MySQL; Languages: Golang, Java, Python, SQL.

Experience

Staff Software Engineer, Uber – San Francisco, CA   May 2018 - Present

- Partnered with product and data science to design Uber's next-generation of retail search, incorporating embedding-based retrieval, and merchant agnostic product search.
- Led a cross-org redesign of Uber's search stack, improving index freshness from days → minutes, reducing serving cost, and enabling retirement of legacy services. Resulted in faster experimentation cycles and significantly higher developer velocity.
- Drove a multi-team effort to redesign Map data serving that resulted in >$2.5M/yr in savings and >50% query performance improvement.
- Led the trip prediction effort within Uber's Next team, leveraging ML-driven models to increase ride volume among targeted users.
- Designed and implemented core location services (ingestion and retrieval APIs, map matching, pre & post-trip processing) foundational to Uber's core business.
- Mentored engineers across levels, led design reviews, and acted as Uber Bar Raiser (150+ technical interviews) to uphold high hiring standards.

Software Engineer, MZ – Palo Alto, CA   Sept 2017 - May 2018

- Built core backend and frontend systems for ad bidding strategy definitions and deployments, including internal and external REST APIs.
- Architected large-scale data pipelines with Hadoop, Pig, and Python to process and analyze ad performance and user data.

Software Engineer, Mavin – Mountain View, CA   July 2016 - Sept 2017

- Led design and implementation of backend systems for user rewards and virtual currency redemption, supporting high-volume user activity.
- Built automated EC2 clusters in AWS to process large-scale datasets and streamline analytics.
- Designed and implemented REST APIs and client-facing applications in JavaScript/React.

Software Engineer, Simility – Palo Alto, CA   Nov 2014 – May 2016

- Developed full-stack features in Java and React for Simility's fraud detection platform.
- Delivered client-requested features and enhancements, contributing to product stability and adoption.

Education

Grinnell College, Computer Science & German   Sept 2012 – May 2016

AIT Budapest, Computer Science & Math   Jan 2015 – June 2015