TikTok - Data Architect

San Jose or Seattle

Job Description

TikTok is the leading destination for short-form mobile video. Our mission is to inspire creativity and bring joy. TikTok has global offices including Los Angeles, New York, London, Paris, Berlin, Dubai, Singapore, Jakarta, Seoul and Tokyo.

Why Join Us

At TikTok, our people are humble, intelligent, compassionate and creative. We create to inspire - for you, for us, and for more than 1 billion users on our platform. We lead with curiosity and aim for the highest, never shying away from taking calculated risks and embracing ambiguity as it comes. Here, the opportunities are limitless for those who dare to pursue bold ideas that exist just beyond the boundary of possibility.

Join us and make impact happen with a career at TikTok.

Our Team E-commerce is a new and fast growing business that aims at connecting all customers to excellent sellers and quality products on TikTok Shop, through E-commerce live-streaming, E-commerce short videos, and commodity recommendation. Our E-commerce Recommendation Infra team is responsible for building up and optimizing the infrastructure for such recommendation systems, so as to provide the most stable and best experience for our users. We work closely with applied machine learning engineers and build scalable systems to support all kinds of innovative algorithms and techniques.

Responsibilities

- Build industry-leading globalized large-scale recommendation system;
- Design and build high performance online systems and reliable data pipelines;
- Optimize and evolve the system continuously so as to support the skyrocket increase in both user traffic as well as the data amount;
- Work with cross functional teams to deliver end-to-end infrastructure solutions to address critical product challenges and improve recommendation performance.

Qualifications

- Bachelor's degree or above, majoring in Computer Science or related fields, with 3+ years of experience building scalable systems;
- Strong software development experience with C++, Java or other programming language;
- Good teamwork and communication skills, positive and optimistic, and strong sense of ownership;
- Experienced in at least one of the following areas: personalized recommendations, search engine, advertising, machine learning infrastructure, distributed storage system, big data frameworks.