Fulong Ma

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PERSONAL INFORMATION

- Work experience: 2.5 years **|** Age: 24 **|** Job hunting intention: SWE

🎓 EDUCATION

- Central South University (985), Bachelor of Computer Science, *Sep 2015 – Jun 2019*
- GPA: 3.64/4.0 Top 10%, English: CET6
- Honors/Awards: National Encouragement Scholarship (Top 2%), The First Prize Scholarship (Top 5%), Outstanding Graduates (Top 5%)
- Others: As the first author, published SCI Paper : A Time and Location Correlation Incentive Scheme for Deep Data Gathering in Crowdsourcing Networks

💼 PROFESSIONAL EXPERIENCE

- **ByteDance**, Back-End Software Engineer, *Shanghai, July 2019 – NOW*
  - Back-End Development for the the Notice System (TPS > 1e6) in TikTok (DAU: 600 million), supported business parties to access Notice , leaded the construction of multiple IDCs, other works for supporting new features or optimizing system stability, etc.
  - Back-End Development for the ToC product app in education field, supported the sales from 0 to 20w+, designed the content manage system CMS, which effectively supports the learning module in app, and improved the long-term retention of product users.
  - Designed the code tool to generate Golang code by configuration such as the code generation of CRUD, which improved development efficiency and was used in the department.
  - Promoted the landing of Golang's unit testing. Outputed the best practice in UT, viewed by nearly 3k engineers in company. After invited by the company's technical college to open the course "Unit Testing" as a lecturer, feedback from the students exceeded expections.
- **Community Contribution**: [20+ Patents as the first inventor](.) | [Sharing of Go Engineering Practice on JueJin](.)

🔀 Selected Project Experience

- **TikTok Notice | ByteDance**
  - Participated in the design and development of the Notice System. As the owner of TTP Project (Oracle as the trusted service provider), leaded TTP IDC construction and compliance refactor, successfully carried out the master-slave synchronization, split-brain, traffic swithcing, etc. Other works, such as increasing degradation capability, upgrading storage for disaster recovery, etc.
- **Content Manage System | ByteDance**
  - As the owner, designed the CMS system to PGC. As the most basic unit of access, the Activity was driven by BPM, which not only present the content, but also support some actions such as taking videos to publish UGC. Solved the multi-version problem and added preview ability in advance by separating storage separation, etc.

🛠 PROFESSIONAL SKILLS

- Programmer Languages: Golang (Frequent), Python/C++/Java (Basic, once used).
- Mysql (Frequent), Redis (Frequent), Kafka (Frequent), Elastic-Search (Basic).
- Understand common network protocol, such as Http, WebSocket, Quic.