Fulong Ma

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ℹ️ PERSONAL INFORMATION

- Male, born in 1997
- Job hunting intention: SWE
- Work experience: 2 years

🎓 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% of Department), The First Prize Scholarship (Top 5% of Department), Outstanding Graduates (Top 5% of Department), The Provincial First Prize in Mathematical Modeling in China.
- Others: Published a SCI paper named 《A Time and Location Correlation Incentive Scheme for Deeply Data Gathering in Crowdsourcing Networks》 as the first author in 2016.

💼 PROFESSIONAL EXPERIENCE

- **BYTEDANCE**, Back-end Software Engineer, *Shanghia, Nov 2018 – NOW*
  · Participated in the design and development of the teacher-side of the product gogokid as a back-end engineer, including official website and CRM, such as teacher evaluation system and salary calculation system, which were completed mainly by Golang, MySQL, Redis, Elastic-Search, Etcd, etc.
  · Designed and developed the code tool to generate Golang code by configuration, which makes the code conform to standards and improves development efficiency, such as the code generation of CRUD, error handling, conversion of ORM models, etc.
  · Promoted the landing of Golang's unit testing. Used docker-compose to form a unit testing environment that solves external dependencies, combined GitLab CI/CD to run unit testing and output reports before merging into master code and then improved the efficiency of unit testing and ensure the quality of integrated code.

🔀 Selected Project Experience

- Content Manage System (CMS)
  · Designed the system CMS to generate learning content by educational operational staff, and support students' learning on the app strongly. In the system, activity is the most basic unit of accessing learning content, which not only present the content, but also support some actions, such as taking videos to publish UGC and so on. Besides, the activity is driven by bpm when users are learning the content. In order to solve the multi-version problem, used the kv of Redis to store online content to separate it from content being edited at storage level and added some functions such as multi-version management and seeing previews on the app in advance.

🔧 技能清单

- 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.