

# 马福龙

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## 👤 个人信息

- 男, 1997 年出生
- 当前工作: Amazon SDE
- 工作经验: 4 年, 求职意向: 服务端研发



## 🎓 教育经历

- 本科, 中南大学 (985, 双一流), 计算机科学与技术专业, 2015.09 - 2019.06
- GPA: 3.64/4.0 专业排名前 10%(获得浙江大学等直研资格) 英语 CET6
- 论文: 作为第一作者, 发表 SCI 论文一篇《A Time and Location Correlation Incentive Scheme for Deeply Data Gathering in Crowdsourcing Networks》
- 荣誉奖励: 数学建模省级一等奖、屈原奖学金、国家励志奖学金、中南大学优秀毕业生、学年一等奖学金等

## 💼 工作经历

- **Amazon, 上海, 全栈 SDE, 2022.07 - 至今**
  - 负责日亚用户相关业务项目的研发设计及维护, 旨在构建和改进日本亚马逊的用户激励机制和 Prime 会员体系, 并扩展到全球。参与多个项目, 如扩展并增加备用付款方式提高 Prime 会员自动续费成功率 (每年增加约 70k 会员留存)、追加销售可预约派送提高 Prime 转化率以及支持 docomo 积分用于用户激励活动奖励等
- **字节跳动, 上海, 高级服务端研发工程师, 2019.07 - 2022.07**
  - 负责 C 端产品 TikTok 的站内信 Notice 的服务端设计开发和维护, 支撑 6 亿 DAU、全球跨洲异地多活, 站内信 Notice 主要包括互动消息 (如点赞关注评论等, 上游多、流量大, TPS 约 400K) 及系统通知如广告等。
  - 负责教育 C 端产品大力台灯的服务端设计、开发, 支撑销售量从 0 至 20w+, 作为 owner, 沉淀内容管理系统 CMS 支撑端上首页核心模块, 提高用户长期留存。
  - 设计并开发 Golang 代码脚手架, 配合 Golang 代码规范落地, 包括项目结构方面达成统一, 提升开发效率如 CRUD 代码的生成, 并全部门内推广使用且加入到新人培训环节中。
  - 推动公司部门单元测试落地, 输出的实践文档被近 4k 工程师观看, 有效提高单测效率及合入代码质量保证, 并受公司技术学院邀请开设《单元测试与业务实践》课程, 担任技术学院讲师, 学员反馈超出预期。
- **社区贡献:** 累计申请专利 20+(第一发明人) | 作为讲师参与字节跳动掘金《Go 工程实践》

## 🏠 项目经历

- **Amazon 激励系统扩展 | Amazon | 2022.02 - 2022.04**
  - 扩展 Amazon 用户激励系统 CER (Amazon Points 发放主要来源之一)。作为 away team POC, 抽离 DoX GetY 模式, 并和日本 Docomo 公司 (日本最大通信运营商) 合作, 在激励系统中支持其 Docomo 积分发放与回收, 完善激励体系。用户可参与 Amazon 活动获得 Docomo 积分, 提高用户参与意愿度。
- **TikTok 站内信 Notice | 字节跳动 | 2021.04 - 2022.07**
  - 负责 Notice 系统的服务端设计及开发, 对接众多业务接入, 对架构、存储进行演进改造, 加强管控及容灾能力, 降低接入成本, 并主导多机房建设等。作为 TTP owner (Oracle 作为可信服务提供商项目), 主导新 IDC 建设及合规改造。作为 owner, 主导 tiktok inapp push 从 0 到 1 建设, 并支持点赞关注评论等接入。

## ✂️ 专业技能

- 编程语言: 熟悉 Golang, 了解 Python, Java, C/C++, Typescript, HTML, CSS, Javascript 等
- 熟悉: MySQL, Redis, Kafka, 分布式系统, Git, HTTP, 微服务等
- 了解: AWS(DynamoDB, SNS, SQS 等), Elastic Search, Linux, Etcd, WebSocket, Thrift, Protobuf 等

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## PERSONAL INFORMATION

- SWE in Amazon JP | Work experience: 4 years | Age: 26 | Job hunting: 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%), Outstanding Graduates (Top 5%), etc.
- Others: As the first author, published SCI Paper : 《 [A Time and Location Correlation Incentive Scheme...](#) 》

## 💼 PROFESSIONAL EXPERIENCE

- **Amazon**, SDE 2, *Shanghai, July 2022 – NOW*
  - R&D for the projects of JP Amazon customer, aiming to improve customer experience. Led BPM (Backup Payment Method) expansion, CER (Customer Engagement Reward) expansion with Docomo, etc.
- **ByteDance**, Back-End Software Engineer, *Shanghai, July 2019 – July 2022*
  - Back-End Development for the Notice System (TPS = 400K) in TikTok (DAU: 600 million), supported business parties to access Notice, led the construction of multiple IDCs, other works for supporting new features and 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 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. Outputted the best practice in UT, viewed by nearly 4k 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 expectations.
- **Community**: [20+ Patents as the first inventor](#) | [Course of Go Engineering Practice](#)

## 🏠 Selected Project Experience

- **CER expansion with docomo | Amazon | 2022.02 - 2022.04**
  - As the POC of away team, led the CER (The main incentive platform in Amazon) expansion with docomo (The major mobile carrier company in Japan) and abstracted out DoX-GetY in CER systems. By this expansion, customer can earn docomo points, which brings about 19Million new customers from Docomo.
- **TikTok Notice | ByteDance | 2021.04 - 2022.07**
  - Participated in the design and development of the Notice System, supported business parties to access Notice, enhanced the control management and disaster recovery capabilities. As the owner of TTP Project (Oracle as the trusted service provider), led TTP IDC construction and compliance refactor. As the owner, led the construction of inapp push from 0 to 1, and supported access of likes, follows, and comments, etc.

## ✂ PROFESSIONAL SKILLS

- Programmer Languages: Golang (Proficient), Python/C++/Java (Basic).
- Proficient in: Mysql, Redis, Kafka, Distributed System, Git, HTTP, MicroService, etc.
- Basic: Elastic Search, Linux, Etcd, WebSocket, Thrift, Protobuf, etc.