

# 马福龙

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## 👤 个人信息

- 男, 1997 年出生
- 当前工作: Amazon 全栈SDE (上海)
- 工作经验: 5 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%(获得浙江大学等免试直研资格) 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、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, 如主导日亚积分促销激励活动中集成 ML 进行个性化推荐、扩展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)、扩展激励平台增加新 Docomo 积分等。
- **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。
  - 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, 配合团队代码规范落地, 提升开发效率如 CRUD 代码等通用代码的生成, 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) | 作为讲师于掘金开设课程《Go 工程实践》

## 🏠 项目经历

- **JP Amazon 积分激励活动个性化推荐 | Amazon | 2023.09 - 2024.03**
  - 作为 away team owner, 带领多名成员扩展现有系统并集成 ML Model 产出数据, 对用户的积分激励活动商品品类以及积分返现比例进行个性化推荐, 主导项目系统设计与开发, 从活动设置、用户活动注册、Landing Page 及履约进行端到端的重构, 推动项目如期上线后, 交易总额增加 3%, 参与率提高 2%。
- **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 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, Scala, 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

- SDE in Amazon | Work experience: 5 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 ...](#) 》

## 🏢 PROFESSIONAL EXPERIENCE

- **Amazon**, SDE 2, *Shanghai, July 2022 – NOW*
  - R&D for the projects of JP Amazon customer, aiming to improve customer experience. Led Points Up Campaign Personalization and 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 management 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

- **PUC Personalization | Amazon | 2023.09 - 2023.03**
  - As away team owner, led 3 teammates to support the PUC (Points Up Campaign) Personalization which is the main incentive campaign for points. With integrating ML Model outputs, personalized points-back % to customer and got an increased GCCP about 3%.
- **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.

## ✂️ PROFESSIONAL SKILLS

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