

# Rancho (赵楠灿)

Gender: Male

Location: Shanghai

Phone & Email: 18883855775 | 1006959160@qq.com

Blog: <https://blog.ranchocooper.com> [Backup Address](#)

Github: <https://github.com/RanchoCooper>

## Education

2013.09 – 2017.06      CQUPT   Computer science and technology   Bachelor degree

## Skill

- Familiar with Golang, Gin、XORM、GORM
- Familiar with Python, Flask、SQLAlchemy
- Familiar with Java, JVM, Spring、Mybatis
  
- Familiar with MySQL、Redis, well known about PostgreSQL
- Familiar with gRPC、Protocol Buffer, well known about Thrift
- Familiar with DDD, have practice experience
- Familiar with Docker、K8s, Service Mesh
  
- Familiar with Linux system and common commands
- Familiar with IDEA、Vim, Git work flow

## Work Experience

2021.09 – now

### **Binance – Cloud Native – Expert Backend Engineer(Golang)**

- Mainly responsible for iterating the company's AB system(Themis), including the management portal, the distribution engine and the data analysis (Gin/MySQL/Redis/Kafka)
- Develop Themis Bot, which based on company's internal IM tool, support websocket to listen message and parse bot command. Implement notification system based on Kafka and Themis Bot
- Based on Hexagonal architecture and DDD design, implement internal Golang Framework, using ideas such as dependency inversion and dependency injection. Provide CLI tools to generate projects

2019.11 – 2021.01

- Responsible for helping junior engineers in the team

#### **Laix – Senior Backend Engineer(Golang)**

- Responsible for the development of projects such as xiaobanke and didao-fayin, build microservices based on Gin, using Kafka as message queue to process concurrent massive data, using MySQL for data storage, and Redis for caching
- Build a job service based on Golang, regularly consume Hive data and write to MySQL
- Build a monitoring board based on Grafana/Prometheus
- Sub-database and table transformation for billion-level tables

2017.07 – 2019.11

#### **Alibaba Group(eleme) – wuliu-department – Senior Backend Engineer(Java/Python)**

- Responsible for leading the research and development of terminal distribution, and completing the food delivery access of intelligent hardware such as robots and unmanned vehicles. Based on the DDD domain-driven design, the original Python project is transformed into Java. Develop terminal distribution applets, build SOA services based on Spring, support remote multi-active services, use MySQL for data storage, and Redis for data caching
- Responsible for the research and development of pick-up and delivery separation, aiming to improve the distribution process through technological innovation. It mainly includes modules such as order fulfillment, system order distribution, rider management, and order grabbing hall. The backend builds web services based on Flask, uses PostgreSQL for data storage, and uses Redis for data caching. Business value: Increase human efficiency by 30% and reduce average cost per order by 20% in the Huidu business district
- Responsible for promoting the improvement of single test coverage of each production line in the department. Based on Docker and javassist, develop the internal single-test framework universal to solve the problem of environmental isolation under the company's micro-service system
- Responsible for Mentor of new members in the group

2017.01 – 2017.05

#### **zhihu.com – Python Engineer(intern)**

- Responsible for the design and implementation of the relevant needs of the Zhihu community station service daily
- Participate in the discussion and formulation of technical solutions

## Technology Learning

- [Go-programming-tour-book](#) : code practice for 《Go编程之旅》
- [Learn-Go-with-tests](#) : Learn test-driven development with the Go language
- [Go-by-demos](#) : Code practice of Go-related third-party libraries and articles
- [Go-in-action](#) : code practice for 《Go语言实战》
- [Hacker Rank](#) : Hacker Rank practice record
- [Leet-code](#) : LeetCode practice record

## Technology Projects

- [Quants](#) : Personal quantitative trading system. Continuously iterating
- [Go Hexagonal](#) : Go template project based on Hexagonal Architecture and Domain Driven Design.
- [Hexo-theme-huxblog](#) : Custom theme for Hexo personal blog.
- [Buddy-memory-allocation](#) : Algorithm Implementation of Buddy Memory Allocation

## Open Source Commitment

- [Structs](#) Optimization and improvement of tag tags
- [Vibora](#) Fixing routing bug and improve Doc

## Self Evaluation

Six years of development experience, has been responsible for the research and development and maintenance of innovative/core business

Has relatively rich hexagonal architecture and DDD experience

Possess a certain product thinking and focus on user experience

During the working period, have high quality of R&D delivery, and have a good reputation

Positive and enthusiastic about work, strong sense of responsibility, strong self-drive