



Yong Zhaoyu

Professional Skills

- Familiarity with Golang, goroutine, channel, locking and Golang internal operation mechanism
- Familiar with Python, Django and RESTful API development.
- Familiar with common data structures and algorithms, able to implement data structures such as hash tables, chains, queues, stacks, etc.
- Familiar with operating systems, TCP/IP protocol, OAuth2.0 protocol, OpenAPI3.0 specification.
- Familiarity with Redis and MySQL, and knowledge of Kafka message queues.
- Familiarity with Kubernetes, Docker, Terraform, bazel, and Linux network programming.

Professional Experience

Digital Zhejiang Technology Operation Co.

11/2021-Present

Senior Front-end Engineer (Team Leader)

Hangzhou

- Responsible for and leading the front-end project development of the Technology R&D Department, responsible for the development of the platform of Internet+ supervision, service portal, data operation, social supervision and early warning, and the development of its related H5 pages; responsible for the development of the information module of Zheli Office Me; creating the front-end component library sz-design of the R&D Department; responsible for the development of projects such as comprehensive law enforcement and enterprise panoramic query.

Tencent Technology (Shenzhen) Limited |

2021.07-Present

Tencent, Back-end Development Engineer

I am working in the Tencent Document Department, back-end development position, responsible for the back-end service architecture design and development and maintenance of the Tencent Document Open Platform.

- Design, development and maintenance of Tencent Document Open Platform gateway layer services, OAuth2.0 authorization services and OpenAPI
- Technology Stack: Golang, tRPC, MySQL, Redis, Protobuf, Terraform
- Project Description: Open platform microservice gateway, Tencent document OAuth2.0 authorization service based on Golang, OpenAPI service developed service can realize the management and reading and writing of user documents.
- Main tasks:
 1. build the gateway layer service of Tencent Document Open Platform from scratch, and independently complete the technical selection and overall framework design of the gateway layer service, realizing the forwarding from RESTful HTTP API to trpc and API access permission control.
 2. Developed Tencent Document document management and editing OpenAPI for various types of documents, including DriveAPI (document management), DocAPI, SmartsheetAPI (document content reading and writing), etc. Currently, more than ten key customers (KA) are connected to OpenAPI.
 3. build Tencent Document's authorization service based on OAuth2.0 protocol from scratch, using authorization codes for user identity verification and user authorization, supporting authorization of WeChat and QQ accounts, and Tencent Document OpenAPI for authentication based on OAuth service.
 4. Improve the stability of the services of Tencent OpenAPI, ensure the service availability reaches 99.9%, the average time consumption of each interface is within 50ms, the unit test coverage reaches 75%, and the E2E port test coverage reaches 100%.
- Industrialized practice of automatic generation of multilingual SDK and API documents based on OpenAPI
- Technology stack: Golang, OpenAPI3.0, Protobuf, openapi-generator
- Main work:
 1. generate multi-language SDK based on OpenAPI3.0 specification and openapi-generator, currently provide Golang, Python and JavaScript version SDK to improve user access efficiency.
 2. Develop automated API documentation based on OpenAPI3.0 specification, which greatly improves the iteration speed and accuracy of documentation description for open platform developers and reduces 50% of human maintenance cost.
 3. build an industrialized R&D system for generating multilingual SDKs, using an automated pipeline continuous integration platform to avoid manual intervention and error processes, and realizing a fully automated process from packaging, compilation, and release of multilingual SDKs.

Tencent Technology (Shenzhen)

2020.04-2020.09



Tencent, Backend Development Engineer (Internship)

I worked in Tencent's value-added R&D department as a back-end developer, responsible for the design and development of QQ value-added revenue-related back-end architecture.

- Tianxuan activity platform monitoring and alerting system
- Technology selection Golang, tRPC, MySQL, Redis, Protobuf
- Main work: Build a team monitoring and alerting system based on Golang, with inventory monitoring and alerting and online error real-time alerting functions, implement email notification and enterprise WeChat pull group function.

Chongqing Burnish Technology Co., Ltd

2019.05-2019.12

Burnish, Backend Development Engineer (Internship)

The company is a Telematics monitoring service provider, providing data reporting, data forwarding and vehicle monitoring services for new and traditional energy vehicles that meet national and local standards, participating in the following projects.

- Dongfeng New Energy Vehicle Monitoring System and Data Gateway Project
- Technology selection: Golang, Python, Django, Django REST framework, MySQL, Redis, Kafka
- Main work: Develop new energy vehicle monitoring system based on Python and Django, build monitoring system data gateway based on Golang, responsible for receiving, verifying and sending data to Kafka message queue cluster.

EDUCATION

Chongqing University (Master's degree)

2018.09 - 2021.06

Electronics and Communication Engineering

- Chongqing University A-level academic scholarship (2018 and 2019)
- Second Prize of the 14th China Postgraduate Electronic Design Competition Southwest Region Team, "Zhaoyi Innovation Cup"

First Prize of the 6th Postgraduate Smart City Technology and Creative Design Competition of Chongqing University

South China Agricultural University (B.S.),

2014.09 - 2018.06

Communication Engineering

- National Inspirational Scholarship (Top 5%, 2014-2016)
- Received several second and third-class scholarships at the university level, and was honored as the "Third Best Student"
- CET6 level certificate

Scientific Research Papers

-
1. "Design of Intelligent Bus Inquiry System Based on WeChat App".
 2. "Research on High Concurrency Web System Technology Based on Container Orchestration".