

Yupeng Ma

Python Backend Engineer

Python · Go · Production Systems

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PROFILE

Backend engineer with around 8 years of production experience across iFLYTEK Future, ByteDance, iQIYI, and UCAR. I build Python and Go services and take backend systems from requirements and API design through integration, deployment, and delivery.

Open to remote backend opportunities, including roles with international teams.

EXPERIENCE

iFLYTEK Future

2024.07 - 2024.12

Python Engineer

- Independently delivered the Voice Double voice-cloning backend, from API design and model integration to deployment, for the headset's 2024 product launch.
- Built a FastAPI and WebSocket streaming TTS service with CosyVoice model serving, supporting 20 QPS in production across 20 GPU inference servers.
- Integrated Alibaba Cloud OSS voiceprint storage, Redis caching, ELK logging, and Nginx load balancing.

ByteDance

2022.01 - 2023.11

Python / Go Engineer

- Contributed to a Python CDN root-cause analysis service, aggregating errors by carrier and province for a workflow-based troubleshooting platform.
- Developed Go backend features for an existing multi-provider CDN vendor management platform, covering procurement, reporting, and incident workflows.
- Independently implemented monthly vendor-capacity procurement allocation logic and extended RBAC and multi-tenant permissions.

iQIYI

2021.06 - 2021.12

Python Engineer

- Helped convert a fixed copyright-infringement evidence workflow into a Serverless backend with independently deployable cloud functions and visual orchestration.
- Worked with a teammate on deployment integration that mapped cloud functions to backend services.

UCAR

2017.07 - 2021.06

Python Engineer

- Built Python competitor-pricing crawlers and a management platform for configuring and running scheduled collection tasks.
- Productionized a rental-demand forecasting model behind Python prediction APIs, generating dispatch recommendations for vehicle allocation.

Ruizhi Rongke

2016.03 - 2017.07

Python Engineer

- Independently designed and implemented a Django and MySQL workflow engine with conditional branches, parallel gateways, node transitions, and rollbacks.
- Delivered the engine into internal approval systems and client projects, including GF Securities.

INDEPENDENT SOFTWARE PROJECTS

Palworld Save Analyzer & Breeding Optimizer

2024 - Present

Built and maintained a public web application that parses Palworld player save files, extracts the player's existing Pals, and searches for breeding paths to a selected target Pal.

www.palworldbreeding.top/

Yaya Loop

2026 - Present

Created an open-source harness for AI-assisted software development using versioned requirements, bounded tasks, automated checks, and human review.

github.com/m358807551/yaya-loop

QuackPack

2026

Built and completed a TypeScript game project used as a real-world testbed for Yaya Loop and AI-assisted software development.

mikebuilds.pages.dev/projects/quackpack/

OPEN SOURCE & WRITING

mysqlsmom

A Python project for synchronizing MySQL data to Elasticsearch through full loads and binlog-based incremental updates, with Redis storing the incremental checkpoint.

281 GitHub stars (snapshot: 2026-08-28) · Historical project

github.com/m358807551/mysqlsmom

Design and Implementation of a Lightweight Workflow Engine

A Chinese-language design article explaining a tree-based workflow engine with branching, parallel gateways, transitions, and rollback behavior.

www.cnblogs.com/duck-and-duck/p/14436373.html

SKILLS

Python backend

Python · FastAPI · Django · REST APIs · WebSocket · Scrapy

Go backend

Go · Gin · Hertz · RBAC · Multi-tenancy · CDN workflows

Databases & storage

MySQL · Redis · Elasticsearch · MongoDB

Infrastructure & production

Docker · Linux / Shell · Nginx · ELK · Alibaba Cloud OSS · Serverless

Applied AI & tooling

Model serving · Streaming TTS · Codex · Claude Code · MCP / agent tooling

EDUCATION

Heilongjiang University

Computer Science and Technology

2012 - 2016