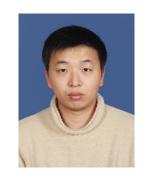# Guodong Chen

Position Sought: GO Backend Developer

English Name: Oliver Chen   **Date of Birth**: October 9, 1996

Gender: Male   **Nationality**: Chinese

Tel.: + 86-189-1554-7083   **Email**: qq747321301@gmail.com

Location: Suzhou, China   **GitHub**: https://github.com/bigbeer1

Education

March 2020 – July 2022   **Suzhou University of Science and Technolog**

Bachelor's Degree in Computer Science and Technology (Applied Technology)

Key Courses: Fundamentals of Programming, Data Structures, Operating Systems.

Work Experience

August 2021 – December 2022   **Shanghai Tianqi Technology Co., Ltd.**

Go Backend Developer / Rust Backend Developer

Optimized FileCoin mining processes, including lotus-miner and lotus-worker, and enhanced lotus-miner scheduling.

Modified Rust-based low-level packages to improve mining efficiency.

Managed cluster operations and designed mining solutions to adapt to the latest official updates.

March 2022 – Present   **Shanghai Chint Electrics Co., Ltd.**

Go Backend Developer / Software Designer

Responsible for the development of the Taiwuyou IoT Platform.

Responsible for the development of the Primary Power Equipment System.

Project Experience

Blockchain Data Sync & Task Scheduling   **Lotus (Blockchain Platform)**

Optimized task packaging performance and computing power distribution, improving the efficiency of blockchain mining.

• **Tech Stack**: Go, Rust

IoT Platform   **Taiwuyou IoT Platform**

Developed a platform capable of supporting data collection, device monitoring, and visualization for millions of devices, enhancing scalability and real-time response.

• **Tech Stack**: Go, Go-Zero, Redis-Cluster, MQTT, TDengine, Vue3, ETC

Power Equipment Monitoring System   **Primary Power Equipment System T-pmt**

Designed and implemented a real-time monitoring system for power equipment, enabling the collection of sensor data and real-time display of equipment status.

• **Tech Stack**: Go, Go-Zero, Redis-Cluster, TDengine, Modbus/RSC485, Vue3, ETC

Streaming Media Platform   **Monibuca (M7s)**

Contributed to the open-source streaming media project, supporting protocols such as RTMP and RTSP. Participated in the development of the open-source project (Monibuca Engine).

• **Tech Stack**: Go, RTMP, RTSP, GB28181, WebRTC, WS, H265, H264, ETC

🖥️ Relevant Skills

IoT Technology: Familiar with MQTT, Modbus/RSC485, and other technologies, capable of IoT data collection, real-time monitoring, and visualization.

Blockchain Technology: Familiar with FileCoin, IPFS, and experienced in developing smart contracts using Solidity and Rust.

Programming Languages

Proficient in Go; familiar with Java (SpringBoot, MyBatis-Plus), Node.js; basic knowledge of Rust.

Backend Development

Skilled in Go open-source frameworks (Gin, Echo, Gorm, Go-Zero); familiar with microservices architecture and implementation.

Databases

Experienced with MySQL, Redis, PostgreSQL, TDengine, InfluxDB; proficient in basic database design and optimization.

Containerization and Deployment

Familiar with Kubernetes, Docker, and Linux environments (CentOS/Ubuntu); experienced in both development and production environment setup.

Networking and Protocols

Mastery of TCP/UDP/QUIC protocols and Socket communication; familiar with PXE/IPXE boot principles.

Development Tools and Collaboration

Proficient in Git/GitLab version control tools; skilled with development tools such as Goland, Apifox.

Design and Architecture

Knowledgeable in MVC and MVVM design patterns; experienced in backend module and process design.

✏️ Language Skills

English: Intermediate level; capable of reading technical documentation fluently and engaging in written technical communication. Actively improving oral communication skills.

German: Basic level; familiar with daily communication and fundamental technical terminology. Actively learning to enhance cross-cultural collaboration capabilities

🏆 Certificate of Honor

Senior Software Engineer - Web Front-End Development

Information System Management (Advanced)

Microsoft Technology Associate (MTA):

Networking Fundamentals

Database Aministration Fundamentals

HTML5 Application Development Fundamentals

Data Management Engineer

Network Application Developer

Data Application Developer