+61 421436108 — email: Ericsgc@outlook.com
Linkedin: linkedin.com/in/guocheng-song-728580318

Guocheng Song

Portfolio

Summary

Results-oriented and innovative Software Engineer skilled in using Java, Go and JavaScript frameworks for both front-end and back-end web application development. Demonstrates strong execution skills, excels in teamwork, and maintains high learning and work efficiency.

Skills

Languages: **Java**, Python, **Go**, JavaScript, Typescript

Web tech: **Springboot**, SpringMVC, Express.js, Gin

Front end: HTML5, CSS3, **React**, Boostrap

DB: **MySQL**, **PostgreSQL**, Mongodb, **Redis**, ElasticSearch

Tools: **Git**, **Linux**, **AWS**, Docker, Gradle/Maven, **Rabbitmq**

Work Experience

Seetrum, Shanghai, China
Data Analyst, Intern *2023.9 - 2023.11*

- Collected and organized information on potential customers and market trends.
- Conducted comparative analysis of competing products in the market.
- Analyzed data related to company products, including water quality testing and fruit maturity detection.
- Assisted in preparing data-driven reports to support marketing strategies and product development.

Datap.ai, Sydney, Australia
Full-stack developer, Intern *2024.7 - present*

- Develop and maintain websites using Vue and React frameworks alongside Node.js.
- Utilize Go with the go-micro framework for back-end development.
- Register services using Consul as the service registry, ensuring seamless service discovery and management.
- Integrate and manage generative AI, BI, and Airbyte services through the unified service registry.
- Collaborate with cross-functional teams to ensure seamless integration and functionality.

Projects

Distributed File Storage System — x86 Linux GitHub *2024.6 - present*

- Tech Stack: Go, MySQL, Redis, Ceph, MinIO RabbitMQ, Docker, Kubernetes, AWS S3.
- Implemented a high-performance distributed file storage solution utilizing Go for backend logic.
- Provided both public cloud (AWS S3) and private cloud (Ceph) storage services to users.
- Utilized Go-micro as the microservices framework and integrated Consul and Kubernetes as the service registry centers.
- Managed data persistence with MySQL and Redis, ensuring efficient storage and retrieval processes.
- Integrated RabbitMQ to handle messaging between distributed components for reliable and scalable communication.
- Implemented CI/CD pipelines using GitLab for automated deployment and testing.
- Containerized the application using Docker and orchestrated deployment with Kubernetes, enabling seamless cloud-native deployment and scaling.

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Senior Financial Management Application GitHub *2024.7 - present*

- Tech Stack: React, Java, SpringBoot, Python, Langchain, Rabbitmq, FastAPI.
- Developed a multi-agent financial system using Langgraph and Python.
- Implemented reverse proxy and deployment using Nginx.
- Provided full-text and fuzzy search capabilities for user transaction records through ElasticSearch.
- Integrated AI assistant that analyzes user-uploaded transaction information and provides warnings for suspicious transactions.

Certificates and Awards

Google Advanced Data Analytics Professional Certificate 2024
Kaggle Competition: Chatbot Arena Human Preference Predictions (sliver medal) 2024

Education

University of Sydney **Australia**
Master of Computer Science(Advanced entry) *February 2024 - Present*
specialisation: Software Engineering **WAM:85**

University College London **United Kingdom**
Bachelor of Science in Chemistry *September 2020 - June 2023*