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

Guocheng Song



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

 $\mathbf{DB:}\quad \mathbf{MySQL},\, \mathbf{PostgreSQL},\, \mathbf{Mongodb},\, \mathbf{Redis},\, \mathbf{ElasticSearch}$

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

Master of Computer Science(Advanced entry) specialisation: Software Engineering

University College London
Bachelor of Science in Chemistry

Australia

February 2024 - Present WAM:85

United Kingdom

September 2020 - June 2023