



Siru Zhong

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2000-02 Male
Shen zhen Backend Develop Engineer



合肥工业大学
HEFEI UNIVERSITY OF TECHNOLOGY

EDUCATION

Hefei University of Technology 211 Double 1st - Class 2018.09 - 2022.06

IoT Engineering Bachelor School of Computer and Information (Artificial Intelligence)

GPA: 3.32 Ranking: 18/101 CET-4: 581 CET-6: 521 IELTS: 6

PROFESSIONAL EXPERIENCE

HKUST (GZ) | Information Hub-Data | Analysis and Science Domain 2023.05 - Present
Research Assistant

- Under the guidance of Professor Liang Yuxuan yuxuanliang.com, the main research areas include spatiotemporal data science, spatiotemporal artificial intelligence, urban computing, intelligent transportation, etc.
- Independently built the laboratory portal website, which includes major modules such as the homepage, publications, achievements, news, and contact us. The website can be found at 111.230.109.230 and is gradually being perfected.
- Deeply involved in the TKDE journal submission project related to air quality prediction, independently responsible for the construction of the visualization platform, improving the visualization effect of research data and research efficiency.

Tencent (Shenzhen) | PCG | Backend Development Engineer 2022.07 - 2023.05

Fiber Team - Compliance Bus Group

- Fiber is an orchestration management system based on IFTTT and event-driven principles. It is used to integrate online tools and interweave them to interact with each other, aiming to reduce the overall orchestration cost of the work process.
- Independently responsible for designing and developing the DSL related to business processes, it was successfully implemented in various business lines (including QQ, News, Video, and App Treasure), significantly improving the overall efficiency of the workflow.
- In conjunction with the frequent change operation and maintenance scenarios of the TEG cloud architecture platform department, it participated in the design of a unified compliance event bus and event model management that can connect all online operation and maintenance components.
- Responsible for the basic capabilities and management end capabilities of the event bus, established the standardization process of CI/CD events, provided the definition and legality verification capability of the event schema, and integrated it into the visual management of the management end, helping to establish a standardized data system to achieve advanced DevOps.
- Responsible for the implementation of the event bus data reporting capability and observability, the full-link statistics and alert capabilities of event data were achieved through Prometheus + Grafana.

Cloud IDE Team - Container Research and Development Group

- Codespaces is a cloud-based R&D collaboration platform that is cloud-native and code-centric. It caters to software engineers and comes pre-loaded with a variety of out-of-the-box integrated development environments on the cloud, allowing development anywhere, anytime, without the need to install or configure the environment.
- Responsible for the maintenance and optimization of R&D container Agents, which are used to provide capability support for file, process, network, and other related requirements within the container runtime.
- Responsible for the multi-container architecture modification of the container base, successfully separating resource usage, significantly improving user experience, guaranteeing elastic resource utilization, and ensuring smooth development.
- Responsible for the access of the VSCode client, providing remote development capabilities, and completing the corresponding container Agent and IDE plugin implementation.

Tencent (Beijing) | PCG | Backend Development Engineer 2021.06 - 2021.09

Social Background Efficiency Tool Group

- QQCD is a service deployment platform for the QQ team. It unifies multiple underlying cloud platforms within the company, abstracts the underlying deployment resources, supports related deployment across multiple platforms, manual/automatic deployment orchestration modes, and provides clear deployment views and process control, improving the deployment efficiency of the business.
- Responsible for the daily development and maintenance of the QQCD platform. Common error scenarios were refactored and optimized, effectively improving the stability of platform service deployments, significantly reducing the online bug rate, and improving business deployment efficiency.
- Responsible for the maintenance and reconstruction of QQ's quality management platform. The outdated HTTP interface was transformed into an RPC form, and the code structure and quality were optimized. Grayscale updates, deployment, and launch were carried out.
- Passed the internship assessment with a code rating of "A". During the internship, the code output was 11.2k. Finally, received a special offer.

HONORS & AWARDS

Tencent iCode exam Certification	2023
Silver Award for Tencent Code World Project (2/11)	2022
Tencent Graduates train Outstanding students (8/50)	2022
Excellent Undergraduate Graduation Design of Hefei University of Technology (2/101)	2022
Hefei University of Technology Third-class scholarship	2021~2022
Third prize in class C of the National College Students' English Competition	2021
CSDN first "GEEK" technical people original blogger contest first prize	2020
Hefei University of Technology robot competition 2D project team second prize	2020
Hefei University of Technology Progress Scholarship	2018~2020

SKILLS LIST

Hard Skills:

- **Computer Basics:** Proficient in the basic knowledge of computer science, including Linux operating system, computer network, data structure, operating system, database, and other fields.
- **Full-Stack Development:** Proficient in a variety of mainstream languages including Java, Go, Python, Shell, and familiar with front-end development technologies, including HTML, CSS, JavaScript, Vue, etc. Meanwhile, master the use and basic principles of various databases, caches, and message middleware, and capable of developing with mainstream backend/microservices frameworks. In addition, good at writing unit tests, conducting Code Review, and building CI/CD pipelines.
- **Corporate Experience:** Comprehensive knowledge and practical experience of enterprise-level development processes, mastering the use and basic principles of a series of tool platforms including product research collaboration, version control, telemetry monitoring, pipelines, container publishing, service governance, and intelligent gateway.
- **Domain Knowledge:** Understand the cloud-native technologies such as engineering efficiency, DevOps, container orchestration, and observability, and proficient in popular technologies such as Kubernetes and Docker.

Soft Skills:

- **Document Capability:** Able to produce a variety of types of documents, including technical, schemes, meetings, etc. Proficient in using flowcharts, mind maps, and AI-assisted tools to enrich and optimize documents.
- **Practical Leadership:** Served as a team leader in Tencent's graduate recruitment training and won the excellent student. Also, as the host of the central weekly meeting, able to organize and prepare materials across locations for presentations.
- **Self-Media Operation Capability:** Enjoy sharing, have successfully operated platforms like CSDN blog platform, personal website, WeChat Public Account, Bilibili, and accumulated a certain number of fans and high reading volume.
- **Interest Driven:** Possess a strong self-learning ability, dare to step out of the comfort zone, and continue to learn new domain knowledge. Received positive feedback in Tencent's performance review in the second half of 2022.

Personal work

- **CSDN Blog:** bareth.blog.csdn.net Posted **127** original blog posts, with over **88w+** views, over **2.9w+** favorites, and over **3.2w+** fans.
- **Git Platform:** gitee.com/siruzhong | github.com/siruzhong Passionate about open source, contributed to **17** open-source projects, and continuously follows the latest technology hotspots.
- **Personal Website:** siruzhong.gitee.io | siruzhong.gitee.io/docsify Loves to try fresh technology and creates a high-quality personal website.
- **Bilibili Platform:** space.bilibili.com/449285692 Shares technology/life/music, currently has posted **11** videos, with a total of **564** fans, and over **4.2w+** views.