

# Fan Yang

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## Professional Summary

Senior Database & Infrastructure Engineer with 10+ years of experience in designing, operating, and optimizing large-scale database and cloud systems.

Strong background in MySQL, Linux, cloud platforms, and high-availability architectures. Experienced in supporting production systems, improving performance and reliability, and working closely with developers and business teams.

Hands-on, detail-oriented, and comfortable in fast-paced environments. Currently based in Dublin and actively seeking IT-related roles in Ireland.

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## Core Skills

- Databases: MySQL, MongoDB, Oracle, Greenplum
  - Operating Systems: Linux (CentOS, Ubuntu), Windows Server
  - Cloud & Infrastructure: Huawei Cloud, Alibaba Cloud, Virtualization
  - High Availability: MySQL Group Replication, ProxySQL, Keepalived
  - Monitoring & Tools: Prometheus, Grafana, Shell scripting
  - Networking & Security: Load Balancing, WAF, CDN, basic network troubleshooting
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## Professional Experience

### Senior Database Engineer

*Shandong Buchang Pharmaceuticals, Xi'an, China*

*Oct 2021 – Dec 2024*

- Designed and maintained a highly available MySQL cluster supporting one of the company's busiest order management systems.
- Built a multi-node database architecture using MySQL Group Replication, ProxySQL, and Keepalived, achieving automatic failover and read/write separation.
- Improved system performance to support peak workloads of 150,000+ QPS, ensuring stability for core business operations.
- Implemented monitoring and alerting using Prometheus and Grafana to track database and server health.
- Designed and operated a Greenplum-based data warehouse platform, providing reliable data services for multiple business units.
- Supported MongoDB deployment and operations, including installation, backup, recovery, and test sharding environments.
- Performed Linux system tuning for database servers, including disk, memory, swap, and file descriptor optimization.

### **Cloud Support Engineer (Huawei Cloud)**

*Teleperformance, Xi'an, China*

*Dec 2019 – Dec 2020*

- Provided technical support for Huawei Cloud services, focusing on ECS (virtual machines) and RDS (relational databases).
- Advised customers on cloud architecture design, system migration, and cost-effective resource configuration.
- Supported migration of on-premise systems to cloud platforms, ensuring smooth transitions and minimal downtime.
- Improved system security and performance by applying best practices such as load balancing, read/write separation, HTTPS, WAF, and CDN.

### **Operations & Infrastructure Engineer**

*Shaanxi Television, Xi'an, China*

*Oct 2012 – Oct 2018*

- Maintained production systems including servers, databases, networks, and internal applications.
- Implemented real-time data synchronization between two Oracle databases using Oracle GoldenGate.
- Managed systems on Alibaba Cloud using ECS, RDS, CDN, SLB, and WAF.

- Built an internal knowledge base system to support operations teams.

## **Operations Engineer**

*Xi'an New Idea Information Technology Co., Ltd., Xi'an, China*

*Jan 2009 – Aug 2011*

- Supported application and database systems for airline maintenance management platforms.
  - Worked directly with customers, collected operational issues, and coordinated with development teams for system improvements.
  - Gained hands-on experience with Oracle databases and Linux systems.
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## **Education**

### **Bachelor of Computer Science and Technology**

Xidian University | 2015 – 2017

### **Diploma in Electronic Information Engineering Technology**

Shaanxi Institute of Technology | 2005 – 2008

### **General English Course**

ATC Language Schools, Dublin | 2025 – Present

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## **Additional Information**

- Founder of an online community (jump2eu.com) supporting Chinese residents in Ireland with information on visas, immigration, study, and daily life.
- Native Mandarin speaker; professional working proficiency in English.
- Actively learning and exploring new technologies in databases, cloud, and infrastructure.