

Wang Dong  
+8613810360963 | [wd@wdicc.com](mailto:wd@wdicc.com)

## About me

Engineering leader with extensive experience in building and managing teams for mobile app development, data analysis, database administration, and advertising systems. Developed and maintained a high-traffic ad platform with over 1 billion daily page views. Proficient in JavaScript (TypeScript), Python, React Native, Django, PostgreSQL, and Ansible. Skilled in data analysis, database operations, and enhancing user experiences through mobile and web applications. Known for strong leadership, strategic thinking, and delivering impactful results.

## EXPERIENCE

### Staff Tech Lead, Infrastructure Team (Mar 2020 - Ongoing)

Tubi. inc. (Tubi.tv)

Mainly focused on Kubernetes, AWS cloud, Working with other colleagues to set up and maintain Kubernetes clusters and provide best practices.

- **Managed Kubernetes Cluster Lifecycle:** Oversaw the end-to-end lifecycle management of Kubernetes cluster infrastructure on AWS, ensuring high availability and scalability.
- **Performance Optimization:** Triaged, investigated, and debugged critical application performance issues, improved the system stability.
- **Containerized Application Configuration:** Researched, implemented, and supported containerized application configurations using tools such as Nginx Ingress, Cert-manager, Argo, Kiam, and others.
- **Automation and Scripting:** Developed automation scripts using Terraform, Ansible, Python and Golang, enhanced deployment efficiency.
- **Kubernetes Operators:** Created Kubernetes operators to monitor and deploy critical resources, improving resource management and deployment processes.
- **Collaboration and Support:** Collaborated with cross-functional teams to set up and maintain Kubernetes clusters, providing ongoing support and expertise in Linux and Kubernetes environments.

## Co-Founder, Tech, and Product Leader (2017 - 2020)

Brilliant Aero technology Co., LTD (brilliantAero.com)

Built and led both the engineering team and product team, wrote the application for iOS and Android, and set up the website. Mainly using JavaScript(TypeScript), Python, and React-native related technology.

- **Leadership and Development:** Built and led both the engineering and product teams, overseeing the development of iOS and Android applications and the website using JavaScript (TypeScript), Python, and React Native.
- **Backend Services:** Developed API services using Django, Celery, and Channels. Managed databases including PostgreSQL (leveraging PostGIS for geographical calculations) and Redis.
- **Frontend Development:** Established React Native development architecture using Redux, Reselect, Saga, and TypeScript. Led the development of mobile and tablet applications.
- **DevOps Automation:** Implemented automated deployment solutions using Ansible, streamlining backend deployment and application building/packaging processes.
- **System Customization:** Customized Lenovo Android Pads to prevent misuse and created a tailored Linux system for client PCs based on Porteus, enhancing security and system integrity.
- **Office IT Setup:** Configured office IT infrastructure, including routers, GitLab, file servers, Wiki, VPN, DNS servers, and other essential services.

## Senior Technical Director (2010 - 2016)

Qunar.com Information Technology Co. Ltd. (qunar.com)

Built and led four engineering teams: mobile app developing team, data analyzing team, Postgresql database administration team, and advertising system development team.

- **Team Leadership:** Built and led four engineering teams: mobile app development, data analysis, PostgreSQL database administration, and advertising system development.
- **Data Analysis:** Formed and managed a data analysis team for the Vacation BU, handling log collection, ETL processes, and creating dashboards to drive business insights.

- **Database Administration:** Established a team to operate and maintain over 100 PostgreSQL servers, implementing a robust monitoring system to ensure optimal performance and reliability.
- **Advertising System Development:** Developed and maintained a CPM and CPC ad delivery system, achieving a daily page view rate of approximately 1 billion.
- **Mobile App and Website Development:** Led the development of a mobile app and website for ticket booking-related business, enhancing user experience and transaction efficiency.

## **Software Engineer (2009 - 2010)**

Taobao (taobao.com)

Analyze data for linezing.com, which collects data/logs from taobao.com using Hadoop/Hive, and some development work for the user website. Tech stack: SQL, Java, Shell, HTML, JavaScript.

## **DevOps Engineer (2007 - 2009)**

Yahoo China (yahoo.com.cn)

Wrote and maintained Nagios plugins to centralize monitoring. Basic SRE duty.

## **EDUCATION**

B.S. in Applied Physics and Applied Electronics  
BeiHang University(AKA BUAA), China (1998-2002)