

Hairui Wang

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TECHNICAL SKILLS

- **Languages:** JavaScript, Python, Java, Fortran, SQL, HTML, CSS
- **Database:** PostgreSQL, Sequelize, MySQL, SQLite, MongoDB, GraphQL
- **Framework:** Node.js, Express.js, React.js, Next.js, Bootstrap, Ant Design
- **Big Data:** AWS, Hive, Hadoop, Spark, Pig, Kafka, Storm
- **Libraries:** Numpy, SciPy, Pandas, Seaborn, Matplotlib, scikit-learn

PROFESSIONAL EXPERIENCE

Gophr App, Inc.

Lake Charles, LA

Full Stack Software Engineer

Jan 2020--Present

- Developing and maintaining microservices architecture based backend APIs of Shipments, Users and Inventories to support Consumer App, Driver App, Merchant dashboard and Dispatch dashboard for the whole delivery service platform (JavaScript, Node.js, Express.js, PostgreSQL, Sequelize, GraphQL)
- Developing and maintaining frontend Merchant dashboard and Dispatch dashboard for placing orders, managing users and inventories, tracking drivers (JavaScript, React.js, HTML, CSS)
- Developing and maintaining School Lunch System (parents order for students from local restaurants and Gophr deliveries to schools) (JavaScript, Next.js)
- Deploying features and updates weekly by following agile development (AWS, Vercel)
- Participated in developing Consumer App (React Native)

China United Network Communications Group Co., Ltd

Beijing, China

Data Analyst/Product Manager of Big Data Application

Apr 2016--Nov 2017

- Designed the Intelligent Transportation Analysis System (ITAS) to process and analyze real-time mobile signaling big data (3 GB/min) for Ministry of Transport of China (Java, Hadoop, Storm, ArcGIS, Oracle)
- Developed the Population Heat Map Analysis Platform (PHMAP) to provide web services of population statistics, user tag portrait, etc. to clients/partners like P&G, JD, Baidu and Starbucks (Java, ArcGIS, Hadoop, Oracle and JavaScript)
- Developed a tourism big data SaaS application to provide services based on mobile phone signaling and web browsing data for Ministry of Culture and Tourism of China (Python, Hadoop, Oracle and JavaScript)

Expert Microsystems, Inc. (China)

Beijing, China

Data Analyst/Product Manager

Apr 2012-- Apr 2016

- Led the team to maintain and support PHM (Prognostic and Health Management) application: real-time monitor, fault detection, fault diagnosis and preventive maintenance analysis with Data-Driven algorithms of complex and large industrial equipment
- Designed a Real-time Diagnosis Platform (RDP) including sensors for collecting data, signal processing, algorithm analysis and dynamic results display for an electromechanical system
- Provided technical supports/presentations for the sales of 4 software suites and 6 consulting projects, contributing to 30 percent of the revenue per year

EDUCATION

McNeese State University

Lake Charles, LA

- *Master of Science in Mathematics with Computer Science Concentration* GPA:4.0/4.0

Dec 2019

Beihang University

Beijing, China

- *Master of Engineering in Thermal Energy and Power Engineering* GPA:3.6/4.0

Mar 2012

Tianjin University

Tianjin, China

- *Bachelor of Engineering in Thermal Energy and Power Engineering* GPA:3.7/4.0

Jul 2009