

# KE (KEVIN) LYU

Master's degree candidate/Programmer/Developer

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## EDUCATION

M.S., Computer Science

Miami University, Oxford, Ohio

August 2023 - May 2025

B.S., Computer Science

Qufu Normal University, Rizhao, China

September 2005 - June 2009 GPA: 3.4/4.0

## SKILLS

Java, SQL, Oracle, Linux, JavaScript  
Docker, Git, Maven, Jenkins, SonarQube  
Redis, Rocket MQ, Kubernetes



## EXPERIENCE

Senior Software Engineer

China Post Information Technology (Fortune 500)

April 2017 - June 2023 Beijing, China

- Designed and implemented the China Post Enterprise Resource Planning (ERP) System using **Oracle E-Business Suite (EBS)** containing **50 TB of data and 10 billion records**
- Mysql/Redis-based database design and development supporting queries and processing against 200 million records per day
- Leading daily database performance tuning/troubleshooting; extract, transform, load (ETL) processing;
- Using Spring Cloud (Nginx, RabbitMQ, ELK, Config, Eureka, Spring Cloud Bus, Feign) to complete the "Business and Financial Integration Platform" including 32 microservices
- Implemented business logic via PL/SQL programming
- Experience designing interactive web applications using JavaScript frameworks (Vue)

Software Engineer

Inspur International Limited

August 2009 - March 2017 Beijing, China

- Use Spring MVC to implement Enterprise Pension Management System, Compensation and Welfare Management System
- Use IBM Web Sphere, Web Logic Application Servers and Tomcat Web Servers to deploy and optimize applications of Enterprise Pension Management System, Compensation and Welfare Management System
- Oracle Database system design and optimization including refining SQL queries, developing procedures, Triggers, Stored Procedures and Views in various databases, improved system response time on 1 million records from half an hour to 5 seconds
- Front-end Web development using ExtJS, EasyUI, JAVASCRIPT, CSS3, XML and JSON.
- Conducted building and integrating application software by Restful API and WEBSERVICE.

## CAREER OBJECTIVE

"Full Stack Programmer/developer."

## MOST PROUD OF

Award

- 2019 - Excellent employees of the department, China Post Information Technology Co., LTD (top 10).
- 2018 - Excellent employees of the department, China Post Information Technology Co., LTD (top 10).

Delivering Quality

- Delivered high quality products to customers.
- Demonstrated expertise in translating the client's specific needs into software solutions.
- Proficiently troubleshoot simple and complex technological issues for different assigned projects.

Career Growth

- Progressive international experience of working and achieving in the in all aspects of the software development life-cycle and end-to-end project management.
- Consistently recognized as a hands-on and competent leader

## COURSES

- Analysis of Algorithms
- Database Systems
- Data Structures
- Software Engineering
- Object-Oriented Programming
- Programming Language Concepts

## STRENGTHS

- Determined
- Open-Minded
- Confident
- Flexible
- Diligent
- Client Interaction
- Project Management
- Team Leadership
- API Integration