Lei Zhang

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A motivated and resourceful software engineer with a passion for coding, programming, and creating powerful software solutions. Strong interest in learning about and participating in emerging technologies, concrete projects, and satisfying user experiences. Seeking entry-level software development positions. Aims to contribute professional software engineering expertise to dynamic organizations to increase productivity and customer satisfaction.

TECHNICAL SKILLS

- **Programming languages:** Java, JavaScript, Python, SQL
- **Data Management**: PostgreSQL, MySQL E/R diagrams, JDBC, Table Design
- **Web Technologies:** J2EE, HTML5, CSS, Spring Boot, Vue.js, Responsive Design, Postman
- **Development Tools and Techniques:** APIs, Git, IntelliJ, Unit Testing (JUnit), Integration Testing,

TECHNICAL EXPERIENCE

Band-fan Message board web application.
- Developed a social media platform based on vue.js and Spring boot, tailored to strengthen the interaction between the band and its fans. Bands can send messages to their followers and display information about the band, its members, and upcoming shows.
- Backend databases of bands, users, and genres built with PostgreSQL. APIs, controllers, DAOs, and Models built using Java. Front-end design built using Vue.js, JavaScript, HTML, and CSS.

TEnmo Software
- Developed a secure simulated remittance system between different users using Spring MVC pattern and REST APIs.
- The server side is powered by the Spring Boot framework and incorporates PostgreSQL. The interface debugging and testing of the HTTP protocol is completed by Postman.
- Security uses JSON web tokens (JWTs) for authentication and authorization.

Banking Application with JDBC
- The project is developed using the Java programming language.
- The JDBC API is utilized for database operations, allowing seamless interaction with a database management system.
- This application works with popular DBMS MySQL.

EDUCATION

Tech Elevator, Cincinnati, OH   Sep 2022 – Dec 2022
- Completed a 14-week full-stack coding bootcamp learning how to create dynamic web-based software systems using Java, providing 800+ hours of development education and application.

Heilongjiang University, Harbin, China   Sep 2008 – Dec 2011
- Master in software engineering

Northeast Agricultural University, Harbin, China   Sep 2000 – Jun 2005
- Bachelor in computer science

WORK EXPERIENCE

Qiqihar Technical College, Qiqihar, **China**   Jul 2012 – Jun 2019
Vice Director of Teaching and Learning
- Mentored 60+ teaching staff, evaluated their performances, and provided individualized feedback.
- Participate in problem-solving and experimentation exercises.
- Collaborate with teammates as well as across teams.
- Maintain the school website, publish and manage information, manage student information database and personnel salary database.

Qiqihar Technical College, Qiqihar, **China**   Jul 2005 – Jun 2012
Computer Science Course Instructor
- **Courses taught:** Computer Science Theory, Device Utilization, Computer Network Foundation, Photoshop, Dreamweaver, 3Ds Max, and Flash.