Shengfeng Li

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Summary

- Skilled in **web development** for over 7 years
- Over 5 years of experience in **Android app design and implementation**
- Proficient in **Agile** and professional software development cycles, including API design, version control, peer code review, and unit testing.

Work Experience

TiMaven — BATON ROUGE, LA
Senior Software Engineer — *May 2019 - Present*

- Proficient in Kubernetes, leveraging its capabilities to enhance system scalability and ensure high resilience.
- Orchestrated AWS services including Lambda, CloudWatch, and SNS for real-time monitoring and automated alerts, enhancing DevOps responsiveness to system exceptions.
- Implemented advanced log aggregation and filtering strategies using AWS CloudWatch to streamline operational insights.
- Designed and executed innovative multi-tenant architecture features, significantly increasing application versatility and customer reach.
- Engineered a comprehensive time management microservice solution, facilitating industries in optimizing timesheet analysis, resource allocation, and financial management, while also streamlining report generation.
- Developed a robust human resource management microservice, transforming employee lifecycle processes and improving operational efficiency for various industries.
- Created a project and contract management microservice for corporate staff, enhancing organizational efficiency and project oversight.
- Spearheaded the development of a decision-support microservice for the renewable energy sector, enabling effective analysis and strategy formulation for Solar, Wind Turbine, and Fuel industries.
- Conceptualized and deployed a cross-platform mobile application for real estate, providing users with intuitive property search functionalities and expert inspection advice.

Gordon A. Cain Center — BATON ROUGE, LA
Research Assistant - Full-Stack Web Development — *Sep 2017 - May 2019*

- Developed a web server from scratch using Java, JS, and JSP to help over 10 high schools manage assignments, collect homework, grade submissions, and provide feedback to students. The system is currently used by more than 500 students. Implemented a professional build environment using Docker and Git, along with a PostgreSQL database.
- Assisted in data gathering, organization, and presentation to teachers.
- Designed an intuitive content editing process for teachers.

Beijing Brain Cell Software Co., LTD — BEIJING, CHINA
Senior Software Engineer - Vending Machine Control System Development — *Feb 2016 – July 2017*

- Led a team of five software engineers in developing the vending machine control system using Android/Java for multiple vending machine platforms.
- Designed the software build process architecture and utilized Gradle to automate user interface adaptation for different devices and protocols. Implemented features for vending machines embedded in Android systems, resulting in over $300k in revenue.
- Conceptualized, designed, and implemented a remote control and maintenance system for vending machines, enabling remote administration and reducing maintenance and travel costs by 90%.

Fujitsu — TOKYO, JAPAN
Software Engineer - Android App Development — *Apr 2014 - Feb 2016*

- Designed and implemented complex software for Android devices, including fingerprint processing applications used on multiple models.
- Diagnosed and troubleshooted problems, and improved application performance using Java Native Interface.
- Achieved fluency in the Japanese language within two years.

Beijing Brain Cell Software Co., LTD — BEIJING, CHINA
Software Engineer - Android App Development — *July 2012 – Apr 2014*

- Designed and implemented the user interface for USB operation screen, including a tree view for USB directories to meet complex requirements.
- Developed an application for a movie ticket vending machine.
- Created an application for displaying daily news.

Education

Louisiana State University, Baton Rouge, LA   GPA 3.8/4.00
    M.S. Computer Science   *Aug 2017 – May 2019*

Beijing Forestry University, Beijing, China
    B.S. Wood Science and Engineering   *Aug 2008 – July 2012*

Skills

Advanced: Java, Android, Web development(JS/JSP/HTML/CSS/Hibernate/Spring), Database(SQL/Postgresql), Kubernetes, Version Control (Git), Python

Others: Linux/Unix Shell, Maven, Docker, C, Machine Learning, Deep learning, Embedded development, AWS, Azure, Aliyun