

## Summary

- Senior Software Engineer with over 7 years of experience in Android app development, microservices architecture, and web development. Proficient in designing scalable systems, integrating DevOps practices, and employing cloud-based infrastructure. Strong expertise in **Java**, Python, and modern web technologies, with hands-on experience in secure authentication frameworks and infrastructure automation.
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## Work Experience

### TiMaven

BATON ROUGE, LA

*May 2019 - Present*

#### Senior Software Engineer

- Designed and developed a microservice-based application to optimize time management across industries, improving the efficiency of timesheet analysis, time allocation, and report generation.
- Led the development of a Labor Hours Management system, providing a user-friendly interface for logging and analyzing employee work hours, streamlining labor tracking for over 100 active users managing information for 3,000 employees.
- Built a comprehensive Equipment Hours Tracking system to manage the utilization and maintenance schedules of 4,000 machines, enhancing resource management and reducing equipment downtime.
- Streamlined the Purchasing and Procurement process by developing a simplified purchase order system that improved coordination between departments and vendors, facilitating the creation, approval, and tracking of purchase orders.
- Developed a Customizable Reporting Engine capable of generating extensive reports across multi-year periods without compromising performance, empowering businesses with detailed, data-driven insights for key decision-making.
- Spearheaded the creation of an HR Management System, automating employee status updates and streamlining recruitment workflows, significantly improving HR efficiency and responsiveness.
- Integrated a Text Message Notification System to facilitate prompt communication throughout the hiring process, enhancing engagement between HR staff and candidates.

### Gordon A. Cain Center

BATON ROUGE, LA

*Sep 2017 - May 2019*

#### Research Assistant - Full-Stack Web Development

- Built a web platform for assignment submission, grading, and feedback, serving over 500 students and teachers across multiple schools.
- Developed tools to visualize student performance data, aiding educators in making informed decisions and improving classroom outcomes.
- Automated the development and deployment processes, reducing manual interventions and speeding up the release cycle.

### Beijing Brain Cell Software Co., LTD

BEIJING, CHINA

*Feb 2016 - July 2017*

#### Senior Software Engineer - Vending Machine Control System Development

- Led a team of five engineers in developing a vending machine control system for Android platforms, deployed across major cities, contributing to a \$300k revenue increase.
- Implemented a remote control and maintenance system, reducing the need for on-site visits and cutting operational costs by 90%.
- Optimized the system to adapt to various screen sizes and protocols, significantly improving device compatibility and reducing development time by 85%.

### Fujitsu

TOKYO, JAPAN

*Apr 2014 - Feb 2016*

#### Software Engineer - Android App Development

- Led the development of an Android app focused on simplifying the user interface for elderly users, improving accessibility and ease of use.
- Contributed to the redesign of the UI for multiple Android devices, improving performance and user experience across various models.
- Collaborated on the development of a fingerprint authentication system, ensuring its compatibility with six different Android devices.

### Beijing Brain Cell Software Co., LTD

BEIJING, CHINA

*July 2012 - Apr 2014*

#### Software Engineer - Android App Development

- Developed user interface components for the USB operations in Honda vehicle multimedia systems, enhancing navigation and user interactions for the latest Android system at the time.
  - Designed and implemented software for a movie ticket vending machine and a daily news display system, improving customer interaction and transaction efficiency through optimized UI/UX design.
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## Education

Louisiana State University, Baton Rouge, LA  
**M.S. Computer Science**

GPA 3.8/4.00  
*Aug 2017 – May 2019*

Beijing Forestry University, Beijing, China  
**B.S. Wood Science and Engineering**

*Aug 2008 – July 2012*

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## Skills

- **Programming Languages:** Java, Python, JavaScript
- **Web Development:** JSP, Thymeleaf, Spring, Hibernate, HTML, CSS
- **Mobile Development:** Android, Flutter
- **Cloud Platforms:** AWS, Azure, Google Cloud
- **DevOps Tools:** Docker, Gradle, Git, CI/CD pipelines, Infrastructure as Code (IaC)
- **Database Management:** SQL, PostgreSQL, Firebase
- **System Design:** Microservices, Multi-tenant architecture, Domain-Driven Design
- **Others:** Linux/Unix Shell scripting, machine learning, deep learning, embedded development