

Summary

- Over 7 years of experience in **web development**
 - 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.
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Work Experience

TiMaven

BATON ROUGE, LA

Senior Software Engineer

May 2019 - Present

- Developed microservice applications for time management, human resource management, project and contract management, and decision-making in the renewable energy industry.
- Built a cross-platform mobile application for real estate, integrating intuitive property search and expert inspection functionalities.
- Developed a cross-platform app for buying and selling data mining machines, including real-time pricing, profit analysis, and admin portal for machine management, using Firebase for backend services.
- Leveraged Kubernetes for enhanced system scalability and resilience, implementing auto-scaling, load balancing, and self-healing mechanisms.
- Utilized AWS services including Lambda for serverless architecture and CloudWatch for monitoring, employing infrastructure as code (IaC) principles for efficient cloud resource management.

Gordon A. Cain Center

BATON ROUGE, LA

Research Assistant - Full-Stack Web Development

Sep 2017 - May 2019

- Developed a web server using Java, JS, and JSP to manage assignments, collect homework, grade submissions, and provide feedback to over 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.

Beijing Brain Cell Software Co., LTD

BEIJING, CHINA

Senior Software Engineer - Vending Machine Control System Development

Feb 2016 - July 2017

- Led a team in developing the vending machine control system using Android/Java, resulting in significant revenue growth.
- Designed and implemented a remote control and maintenance system for vending machines, significantly reducing operational costs.
- Established a continuous integration and deployment pipeline using Gradle for automated builds, improving software quality and team productivity.

Fujitsu

TOKYO, JAPAN

Software Engineer - Android App Development

Apr 2014 - Feb 2016

- Designed and implemented complex software for Android devices, including fingerprint processing applications.
- Improved application performance using Java Native Interface (JNI).

Beijing Brain Cell Software Co., LTD

BEIJING, CHINA

Software Engineer - Android App Development

July 2012 - Apr 2014

- Developed user interface components for USB operation, including a complex tree view for navigating USB directories.
 - Created applications for a movie ticket vending machine and a daily news display.
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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

- **Programming Languages:** Java, Python, C, JavaScript (JSP, HTML, CSS)
- **Software Development:** Android app development, web development (Spring, Hibernate), embedded system design
- **System Design:** Scalable, resilient systems with Kubernetes, multi-tenant architectures, microservices with domain-driven design
- **Cloud Platforms:** AWS (Lambda, CloudWatch), Azure, Aliyun
- **DevOps Tools:** Docker, Gradle, Git, CI/CD pipelines, Infrastructure as Code (IaC)
- **Database Management:** SQL, PostgreSQL, Firebase
- **Others:** Linux/Unix Shell scripting, machine learning, deep learning, embedded development