

Zack Zhao

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SUMMARY OF QUALIFICATION

- Experienced software engineer with design, architecture knowledge seeking full-time job
- Enthusiastic about making perfect product
- Passionate about tackling software development challenges
- Robust project planning and execution skills

TECHNOLOGY SKILLS

Language: Java, C, JavaScript, HTML, CSS

Framework & Library: Spring MVC, Spring Boot, Spring Data, Spring Cloud, Node.js

Database: MongoDB, MySQL

Tools: Docker, Nginx, Redis, VirtualBox, IntelliJ, Git, SVN

RELATED WORK EXPERIENCE

Software Engineer, Tax1on1 Inc, Sunnyvale, CA Mar, 2017 Present

Developed WeChat chatbot and Q&A website, increasing monthly average visitors by 21%

- Developed WeChat automated chatbot that is able to answer text and audio questions and supports Wechat event messages
- Implemented chatbot auto-search and email forwarding on back end, improved front end pages, developed frequently asked questions in different categories
- Improved Q&A website front end user interface and implemented WeChat Login module

Skills: Node.JS, JavaScript, MongoDB, MySQL, RESTful API, JSON, HTML, CSS

Software Engineer&Project Leader, Unionman Technology Co, China Sep, 2010 Jun, 2013

Refactored, redesigned, implemented and led team to develop multiple embedded application software projects on TV set top box (embedded Linux platform)

- Contributed to refactor of user interface, fixed architectural defects, improved its reliability
- Collaborated with teammates to redesign the advertisement module, enhanced module's maintainability and reduced development cycle time by 30%
- Led team of six on Heilongjiang TV project, optimized key valuation parameters, helped generated one million orders, and became largest set-top box provider that year

Skills: C, MVC, Object Oriented Design, DVB-C protocol, Multithreading, embedded Linux

RELATED PROJECTS

Real time running location simulation and monitoring system:

- Designed and developed a real-time running location monitoring system using Java, Spring Boot, Spring Data, Spring Cloud, RabbitMQ, MongoDB, and MySQL
- Designed and implemented back-end services such as running location persistence, distribution and update services based on Used Microservices architecture
- Persisted data to MongoDB and MySQL using Spring Data as Data Access Layer and incorporated RabbitMQ as message queue to decouple back-end microservices
- Utilized Docker to containerize infrastructure and Maven to manage dependencies

Skills: Java, Spring MVC, Spring Boot, Spring Data, Spring Cloud, MySQL, MongoDB, JPA, Hibernate, Maven, Tomcat, RabbitMQ, REST, Bootstrap, JavaScript, Docker, Vagrant, WebSocket

TinyURL (URL shortener) Service:

- Developed a Rest API server using Node.js, Express, a Single page web UI using Angular JS and Bootstrap
- Persisted application data using MongoDB, used Redis as cache to improve performance
- Employed Nginx HTTP server with load balancer, proxy server to handle thousands of RPS
- Dockerized the server and ran multiple instances of it

Skills: JavaScript, Node.js, Express.js, Angular.js, MongoDB, Docker, Nginx, Redis, Git, IntelliJ

EDUCATION

Pace University, Computer Science master's degree, GPA 3.97
Guangxi University, Information Automation bachelor's degree

Graduated on December 2016
Graduated on July 2008