

Zack Zhao

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EDUCATION

Pace University, Computer Science master's degree, GPA 3.97 Graduated on December 2016
Guangxi University, Bachelor of Science Graduated on July 2008

SUMMARY OF QUALIFICATION

- Proven software development and leadership skills
- Successful collaboration with clients and colleagues
- Strong problem solver and highly responsible, always take ownership of full development cycle

PROJECT

Implemented TinyURL (URL shortener) Service:

- Built a web server using MEAN stack (MongoDB, Express, AngularJS and Node.js)
- Employed Redis as cache database and Nginx HTTP server reverse proxy server and load balancer
- Dockerized the server and ran multiple instances of it.

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

EXPERIENCE

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

working on Tax1on1 Official Account (Facebook public page-like) development

- Developed custom-defined menus, homepage and added link to tax1on1 question and answer website, generated 27% more average number of visits per day on Q&A website
- Build up article publication, user msg auto reply and access token updates RESTful services
- Applied Promise, Generator to improve maintainability and readability

Skills: JavaScript(ES 2015), Node.js, Koa, MongoDB, HTML, CSS, XML, REST, Git

Software Engineer, Shaanxi Lehua Technology Co., Shaanxi, China Oct.2013 Mar.2015

worked on Catalog sub systems in a VOD (video on demand) distributed system

- Contributed to Catalog Manager system, designed user roles and permissions, implemented video sources import, update, video pages generation, edit and review functions
- Developed Catalog Display system, implemented video play, purchase, history and guide
- Implemented synchronization between Catalog Manager and multiple Catalog Display servers

Skill: Java, JSP, Servlet, JavaBean, JDBC, Struts, XML, Oracle9i Database, HTML, CSS,

JavaScript, Easy UI, SAX, Tomcat, MyEclipse, SVN

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

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

- Contributed to refactor GUI system, fixed architectural defects, decoupled model from controller, improved the portability and reduced development cycle time by 22%
- Collaborate with teammates to redesign ADV module using Polymorphism and Abstraction concepts, enhanced maintainability, readability and reduced development time by 30%
- Led team of six in Heilongjiang TV project, optimized key valuation parameters and generated one million orders, became the 1st providers that year

Skills: C, XML, DVB-C protocol analysis, Pthread Multi-Threading, Linux, ARM, SVN

TECHNOLOGY SKILLS

Language: C, Java, JavaScript, C++, HTML, CSS

Framework: Node.js, Express, Koa, Angular.js, Docker, Java EE, Struts,

DataBase: Oracle Database, MongoDB