

Hello Java

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SUMMARY

Seeking a software engineer internship position

Master of science with solid designing, programming, testing, and analysis skills. Has a wide range of industrial level project experience, especially **full stack web development**, a strong understanding of **object-oriented programming** and multiple frameworks with 6+ years of programming experience

EDUCATION

██████████ University

Master of Science in Data Analytics Engineering, GPA 4.0 / 4.0

██████████, MA

Sep 2018 – Jun 2020

██████████ University

Bachelor of Science in Mathematics & Applied Mathematics, GPA 85 / 100

██████████, China

Sep 2013 – Jun 2017

PROFESSIONAL EXPERIENCE

██████████ Technology

██████████, China

Front End Developer & SQL Developer

May 2017 – Apr 2018

- Interacted with data in server end using **AJAX**; Designed various data report web pages using **Angular.js**, such as online dynamic national shuttle departure schedules, and real-time location charts of key products distribution
- Added new features and dynamic effects to current pages using **React.js**, such as adding data download feature to all pages which is convenient for offline data processing, and adding animation effects to order history line charts to visualize orders growth trend
- Cooperated with backend programmers, based on their demands wrote **SQL** stored procedures to implement data cleaning; Optimized current **PL/SQL** codes to ease the burden of **Oracle** database administration

SELECTED PROJECTS

Online Search Ads Generator

██████████, MA

Java-Based Web Service Platform & Spark-Based Big Data Analysis

Dec 2018 – Feb 2019

- Designed a web crawler using **Jsoup and Proxy Server**, which crawled thousands product data from Amazon and preserved them in **MySQL** database as raw Ads data
- Employed **Memcached** as Ads inverted index, and developed Search Ads web service with **Jetty** which supported Query understanding, Ads selection, Ads ranking, Ads filter, Ads pricing, and Ads allocation
- Implemented Query rewriting using **Python and Spark**, which generated relevant Ads ten times more than raw data and predicted Ads Click-through rate

Uber Real-Time Location System

██████████, MA

Spring-Based Microservices Modern Java Application

Oct 2018 – Nov 2018

- Designed a real-time fleet location monitoring system using **Spring Boot**, then preserved data in **MongoDB** using **Spring Data**, which helped Uber simulate, update, and monitor the cars location status
- Developed **Microservices** architecture using **RabbitMQ**, which decoupled the whole backend services such as fleet location persistence, ingest and update services; Made each service independently deployable and scalable
- Implemented service registration and discovery using **Spring Cloud Eureka**; Made the service more resilient using **Spring Cloud Hystrix** as circuit breaker; Routed and filtered client requests using **Spring Cloud Zuul**
- Utilized **Docker** to containerize infrastructure and **Maven** to manage dependencies

Blog Website

██████████, MA

JavaScript-Based Full Stack Blog Website Application

Sep 2018 – Oct 2018

- Developed an interactive blog client system with beautiful landing and portfolio pages using **jQuery, Bootstrap4, and SemanticUI**, where users can browse, upload, and make comments on articles
- Built a web server using **Node.js/Express** framework and designed **RESTful APIs** to implement common internal business logic of blog websites, including password authentication, comments authorization, and personal blog homepage management and access permission
- Utilized **MongoDB** to store users blog information and provide data to web service

TECHNICAL SKILLS

Programming Languages: Java, HTML/CSS/JavaScript, Python

Front End Technologies: React.js, Angular7, Bootstrap4, jQuery, AJAX

Back End Technologies: Node.js, Express.js, Tomcat, Jetty, Spring MVC, Spring Boot, Spring Cloud

Data Technologies: MySQL, Oracle, MongoDB, Hadoop, Mapreduce, Spark, Matlab

Tools & System: Docker, Maven, Git, JSON, XML, TCP/IP, WebSocket, AWS; Windows, Mac, Linux