Contact

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Annie Qu

Software Engineer at Microsoft
San Francisco Bay Area

Summary

Seeking for full-time Software Engineer position, focus on BackEnd / Full Stack
2 years industry experience, 6 years coding experience,
solid background in algorithm, data structure, object-oriented programming, system design and computer science fundamentals.
Language: Proficient: Java, Experienced: Python, JavaScript, SQL, HTML5/CSS3, PHP
Technical Skills: Spring framework(Spring Boot/MVC/Cloud/ Data),JPA,Hibernate,SQLite/MySQL/Oracle SQL, Redis, MongoDB, HDFS, MapReduce, Kafka, Git, Perforce, JIRA, TestNG, JUnit, Bootstrap, jQuery, React, Docker, AWS(EC2)

Experience

Microsoft
Software Engineer
February 2019 - Present

Data pipline, backend service

SAP
9 months

Software Developer
August 2018 - February 2019 (7 months)
Palo Alto

Software Developer Intern
June 2018 - August 2018 (3 months)

• Designed and implemented new features(task scheduler, documents search/ export/import, feature configuration import/export) highly improved application usability by 35% for Ariba Network Administration Restful Web Application based on SQL database CRUD operations by Oracle Database, Java OOP, implemented front-end UI by in-house template engine(Ariba Web Language).

• Created and achieved a new feature to export/import customer feature configuration data to/from CSV file by read and write user table and feature table data record from SQL database.

• Implemented a tool search and export/import customer related documents from a relational Database to/from as a zip file on server.

• Used Perforce as source code version control and Maven to manage dependencies.

LeEco US
Software Engineer
May 2016 - July 2017 (1 year 3 months)

• Designed and developed a real-time fitness tracking backend services and monitoring system with high scalability and 1000+ QPS handling capability for MyHealth Application which is integrated in Le mobile phones and wearable devices. The system is able to collect real-time user fitness location and fitness update status data and analyze user's fitness and health status. The system was developed based on microservices architecture by using Java, Spring MVC, Spring Boot, Spring Data, Spring Cloud, Maven, JPA, Hibernate, Tomcat, RabbitMQ, MongoDB, WebSocket.

• Efficiently developed and implemented server side REST APIs, such as fitness location and fitness status update handler for collecting, storing and processing user location and status data by using Java and Spring framework.

• Decoupled backend services by using RabbitMQ as message broker. Using Redis in-memory data storage as cache layer and persist data to MongoDB by using Spring Data at Data Access Layer. Incorporated Spring Cloud Eureka as service registry, enhanced scalability and robustness. Implemented Spring Cloud Hystrix as health monitor, improved system stability.

• Designed and implemented unit-test cases and automation script. Deployed integration/regression test on Jenkins.

• Documented the RESTful API by using Swagger v2.

Education

Sofia University

Master's degree, Computer Science · (2017 - 2018)

International Technological University (ITU)

Master's degree, Computer Software Engineering · (2016 - 2017)

The University of Texas at Dallas

Master's degree, Electrical and Electronics Engineering · (2011 - 2013)