Zhicheng Zhong

Harrison, **NJ** | zzcjob397@gmail.com | **(202)725-1579** | LinkedIn

SUMMARY

Seeking a full-time SWE role. A full stack developer with experience in Java, Spring Boot. Hands-on experience building web application from scratch.

TECHNICAL SKILLS

Languages Java (advanced), Go, Python, JavaScript, TypeScript **Frontend** Angular, React.js
Backend Spring Boot, MVC, Security, AOP, JPA/Hibernate/JdbcTemplete, RESTful services, Microservices
Database SQL: MySQL | NoSQL: MongoDB **Cloud** AWS: EC2, RDS, S3
Testing JUnit, JMeter, Selenium, Postman, Mockito **Tools** Git, GitHub, Jira

EXPERIENCE

Tencent, Shenzhen, China   Jul 2020 – Oct 2020
Software Engineer Intern, Platform & Content Group
- Developed AIOps microservice platform for KPI monitoring and alerting (Java, Spring Boot, Hibernate)
- Implemented automatic email alert using RabbitMQ when anomaly detected and Token-based authentication
- Deployed anomaly detection and root cause analysis algorithms, transformed data for dashboard visualization
- Reconstructed platform with Go to reduce page loading and response time from 10s to 3s

EDUCATION

Georgetown University - Washington, D.C. USA   Aug 2021 – May 2023
M.S. in Computer Science
Nankai University - Tianjin, China   Sep 2017 – Jun 2021
B.S. in Software Engineering

ACADEMIC PROJECTS

Forum Full Stack Application | React.js, Microservice, Spring Boot, MongoDB, RDS, S3, Hibernate, JPA
    Back-End: GitHub Repo
- Built RESTful API in Microservices using Spring Boot, set up Eureka and API Gateway to discover service and route endpoints, used Feign Client for sync communication and RabbitMQ for async communication
- Implemented Token based authentication and authorization on each service using Spring Security and JWT
- Developed async email validation using RabbitMQ and Spring Email
- Stored user profile image and post attachments in AWS S3 bucket, stored post information in MongoDB and manipulate data through Spring Data JPA, rest of the information are stored using RDS and Hibernate
- Applied AOP and Logging on controller layer for the monitoring, applied Spring Validation for the input checking and handle exceptions using Exception handler
- Used JUnit and Mockito for the unit test, generated code coverage report using JaCoCo and generated API document using Swagger
    Front-End: GitHub Repo
- Developed the Front-End and User Interface using JavaScript, ES6, React.js and Redux
- Built Single Page Application (SPA) using React-Router and to enable navigation from one view to the next
- Created reusable React components and managed application state with Redux

Online shopping Full Stack Web Application | Angular, Spring Boot, Hibernate, RESTful API, security, AOP
- Designed and built Online shopping Full Stack application, created RESTful API using Java and Spring Boot for backend, built frontend using Angular and TypeScript, using MySQL for the data storage
- Developed product, order, user related services in backend and implement cart functionality in Angular
- Implemented Token based authentication and authorization using Spring Security, used Jasypt for the password encryption
- Stored data in MySQL, used Hibernate for data manipulation and use Hibernate Criteria for data retrieval
- Applied Spring AOP and Logging to monitor the status of the application include running time of Controller, Service and Dao, handling exceptions and logging INFO level information
- Optimized the loading tasks response time using async methods and caching to improve user experience