

Ziyan Long

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EDUCATION

Michigan State University (September 2012 – September 2017)

BS in Computer Science

WORK EXPERIENCE

HSBC Software Development Limited as senior Java backend developer

Mar 2019 – Present

- Worked with an agile team of 9 developers, prioritizing features requests to ensure that the most crucial features were worked on first.
- Optimized performance of Oracle database queries, therefore it contributes to solving some timeout issues and reducing the response time.
- Fixed defects, made performance tuning for legacy IBM OSGI-based banking system.
- Refactored the IBM Liberty legacy code and moved to Spring Cloud. In the future, the Spring Cloud project would gradually replace the legacy.
- Analyzed requirements and implemented new features in banking and insurance system.
- Used Kubernetes as everyday tool to manage and monitor multiple instances.
- Developed internal tool for checking audit log easily rather than direct checking database via queries. Worked with another teammate to build the Java Spring Cloud back-end and implemented the whole front-end part by myself.
- Trained six new joiners to familiar with our development related knowledges and catch up with the schedule within a week.

Logiwork Inc as frontend developer

Dec 2017 – Sep

2018

- Developed the product display pages and internal system for staffs using React+Redux.
- Deployed the web application to Alibaba Cloud (continental use) and Amazon AWS (international use).

Mozilla Capstone as software developer(internship)

Jan 2017 – Jul

2017

- Reorganized content in preferences page and improved user interface and user experience in navigating the content by restructuring XUL code base.
- Created a search bar in preferences page and implemented search functionality to find and highlight content through the use of keywords by page scraping to parse the DOM nodes.

PROJECTS

GitHub: <https://github.com/lungzeeyim/Your-Flavor>

- Developed a dynamic web page and Android app for users to search businesses and update preference
- Improved personalized business recommendation based on search history and favorite records
- Created Java servlets with RESTful APIs to handle HTTP requests and responses
- Built NoSQL databases (MongoDB) to capture real business data retrieved from Yelp API
- Deployed service to Amazon EC2 to handle 150 queries per second tested by Apache JMeter.
- Designed an interactive web page utilizing AJAX technology (HTML, CSS and JavaScript)

SKILLS

Programming Language:

- Object-oriented programming using: Java, Python, C/C++, PHP
- Web development using: HTML5, CSS3/SASS, JavaScript, Bootstrap, React+Redux

Database:

- relational database: Oracle, PostgreSQL, MySQL
- NoSQL database: MongoDB

Tools:

- JMeter
- Kubernetes, Docker
- AWS
- Jenkins, Sonar
- Jira
- Confluence
- Vim

Environments:

- Linux/Unix
- Git