

Bo Wen

Contact

Portfolio

218-409-1761 | bowen4091761@gmail.com

<https://sites.google.com/d.umn.edu/bobroccoli/home>

SKILLS

Computer Languages

Java, Python, JavaScript, C++

Tools and Framework

Spring, SpringBoot, ElasticSearch, ReactJs, Hibernate, Git, Docker, Maven, Node, NPM, AWS Lambda, Oracle, MySQL, Jenkins, Terraform, Vault, Splunk, HTML, CSS(SCSS), STS, VSCode, Jira, Confluence, MongoDB, JSON

PROFESSIONAL EXPERIENCE

Gartner, Inc

Stamford, CT

Software Engineer

09/2019 – Present

- Experienced with writing high-scalability and high-performance backend REST API code for millions of users, strong problem-solving and communication skills to produce high-quality work.
- Familiar with Docker, Maven for building and running the application, Splunk for Kubernetes log monitoring and AWS for efficient application development, and enhancement.
- Collaborating with multiple scrum teams across the nation and working on various areas such as backend, website UI design, security patches, and performance optimization.
- Ability to communicate and analyze customers' requirements with business teams and product owners. Make updates/alignments based on their advice and deliver high-quality code within the deadline.
- Experienced with ReactJs and JavaScript for frontend development. Familiar with UI design, NPM, Webpack and CSS.
- Implemented Company user real-time browsing websites analytic tool based on the Google Analytics Platform and Google Big Query, experienced with Elasticsearch query, aggregations, and scripting. Familiar with query building and using Elasticsearch API.
- Designed AWS Lambda function loading data from Google Big Query and batch stored to Elasticsearch Index, deployed Lambda function via Terraform and Jenkins which running daily, reduced 50% deployment time.
- Improved company existing data report generator, upgraded from single thread to multi-threads, reduced 80% running time. Implemented Jenkins script and added into AWS EKS build process.
- Migrated recommendation system backend response from Oracle database to in-memory caching. Reduced 30%-page response time and AWS cost.

Weinon Corp

Shanghai, China

Software Developer

05/2016 – 08/2017

- Experienced with Git, Jira, and Confluence. Familiar with Git flow (dev, qa, prod) and Agile environment.
- Familiar with Java Framework Spring, SpringMVC, MyBatis, Maven, Docker, JSON, and MySQL database. Applied various approaches to reduce the database and backend response time (500ms on average).
- Experienced with building REST API and MVC design pattern. Wrote concise code along with documentation, Junit test and integration test cases, minimized the possibility of introducing bugs.
- Separated from main application to multiple Spring Boot projects. Increased the scalability and resilience of the entire application. Avoided a single point of failure and helped to build easily maintainable code.

RELATED EXPERIENCE

University of Minnesota | Computer Science Graduated Teaching Assistant

08/2017 – 05/2019

- Implemented website torrent scraping tool with Python, downloaded 10k+ torrent files, and analyzed the torrent file metadata with their popularity by various machine learning algorithms. Published the master thesis on ProQuest.
- Helped students accomplish their course objections and delivered different concepts in data structures, algorithms and other computer-science related courses.
- Developed Python programs automatically build all students' assignments and generated grading reports. Reduced 80% grading time.

Android Mobile Shopping Application | Full Stack Project

02/2019 – 05/2019

- Developed a shopping application with Spring-boot framework and Hibernate ORM; Applied object-oriented programming and scalable design to create the application.
- Implemented an Android mobile application with Android Studio (Java) with Navigation View, Recycler View, Event bus, Fragment, Activity, Retrofit and other helpful Android Development components.

EDUCATION

University of Minnesota, Master, Computer Science

08/2017 – 07/2019

University of Minnesota, Bachelor, Computer Science

08/2014 – 12/2016