

Eric Wang

Angular & Java Full Stack Developer

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Education:

M.S. in Software Engineering, Monmouth University, NJ

PROFESSIONAL SUMMARY:

- Highly motivated Java full stack Developer for 4 years of experiences.
- Hands on experience of Back-End technologies, Strong knowledge in **Hibernate, MyBatis, Spring**, using **Spring MVC, Spring IoC, Spring AOP, Spring Security, Spring Boot, Spring Cache, Spring Data JPA**, can skillfully use the SSM framework for multi-layer architecture design.
- **2 years** in Front-end frameworks or libraries like **HTML/HTML5, CSS/CSS3, Angular, JavaScript, React, Redux, jQuery, SASS/SCSS** and etc.
- Experience in Developing User Interface (UI) Rich Web Applications, and Web Service Applications using Front End/User Interface (UI) Technologies like **Object Oriented JavaScript, Type Script, Angular 4, Node JS, Bootstrap, CSS Frameworks, Java**.
- Expertise in **Angular 2.0** framework and its ability to create simple and scalable code for SPA.
- Worked extensively on **Angular 2/ Typescript** SPA domains.
- Hands on Experience on **Angular CLI** (Command line Interface).
- Good amount of work done on Reactive forms or Web Forms 2.0 in **Angular 2 and their Validations**.
- Diverse experience utilizing tools in N-tier and Microservices architecture applications using **Spring Cloud config, AWS, Kafka, Zookeeper, Restful Web Services**.
- Good knowledge in major **Relational Database** like **Oracle, MySQL**, and also **NoSQL Database** like **MongoDB**
- Good knowledge in **Core Java** concepts includes **Collection Framework, Generics, Exception handling, JAVA Reflection, Multi-Threading, File Input/Output System** also with **Java 8** new features like **stream operations**.
- Expertise in **J2EE** development such as **JSP, servlet, template engine**
- Deep understanding of common operations under **Linux**, able to install some related software
- Deep understanding in **Jenkins** for **CI/CD** or **pipelines** and project building monitor and **Swagger** for generating API doc.
- Proficient in **Eclipse, Maven** and other related development tools
- Expertise in using **Git, SVN** to implements the version control
- Proficient in **SDLC** including **TDD, Waterfall** or **Agile Development**
- Expertise in test tools such as **Jasmine, Karma, Junit, Enzyme, Mockito, Selenium**
- Team player, self-starter, ability to **multitask**, detail oriented.
- Integration and deployment of applications done using tools like **Maven** debugging through logging frameworks like **SLF4J/Log4j**
- Possess excellent communication and analytical skills along with can-do attitude.
- Extensive experience in developing Microservices using **Spring Boot, Netflix OSS (Zuul, Eureka, Ribbon, Hystrix)** and followed domain driven design.

TECHNICAL SKILL SET

Programming Language	Java (Include 8 and before), JavaScript ES5, JavaScript ES6, TypeScript, SQL, Python, GoLang, C#(Asp.Net)
Web Framework	Angular 2/4/5/6/7/8 (e.g. Angular CLI, Reactive Form, Template-driven Form, Service, Module,Pipe,Material), React, React Libraries (e.g. Redux, Axios,Fetch).
Java Backend Technologies	Mybatis,Spring Boot, Spring MVC, Spring IoC, Spring Data JPA, Hibernate, JDBC, Maven, Spring Cloud, Java mail service , structs/structs2, soap , restful
Relational Database	Oracle, MYSQL
Testing Tools	JUnit, SonarQube, Angular HttpClient Spy
Deployment Tools	Amazon Web Service (EC2, S3, RDS)
Version Control Tools	GitHub, GitLab
Micro Service	SprindCloud, eureka,consul,zookeeper,Ribbon,Nginx

WORK AND PROFESSIONAL EXPERIENCES:

Mercury System Inc
Princeton, NJ

January 2019 - January 2020

Full Stack Web Developer (Angular/Java)

Description: Book Life is an online book shopping system that allows customers from purchasing to delivering books through online. The purpose of this project was to upgrade the old version of the system to make it more user friendly and efficient with the new technologies and also make some part of the system into split service. Include responsibility of the product overview/list, user authentication microservice, Build the API gateway for the micro-service.

Responsibilities:

- Front-End:
 - Developed with **Angular 9, HTML, CSS** and **bootstrap**.
 - Applied **Angular Reactive form** functionalities: Form validation. Allow user to sort on the product by using customize **Pipe** and **Directive**.
 - Achieved navigation of **SPA** using Angular includes **Routing** and **Templates**.
 - Integrating the **Google Map Api** to display the location of the store.
 - Integrating the **ag-grid** to generate the book and the user report
 - Integrate the **ngx-credit-card** component
 - to make the credit card validation

- Consumed **RESTFUL API** with **Fetch API** (ES6+) request from client side to server with JSON format data
- Using **Apollo-Client** to create **GraphQL** requests to fetch multiple resources.
- Used **echarts** to visualize data from the server to build the Points pie chart.
- Using **Jenkins** to build, test and deploy the application automatically for continuous integration.
- Deploy the frontend work on the **aws s3 buckets**.
- Back-End:
 - Use **Uml** to analyze the requirement
 - Implemented **Spring Boot framework** as backend framework
 - Implemented **Spring AOP** to monitor the application by inserting advices into specific join points of the application
 - Optimized application performance using Spring Cache.
 - Use **Spring JPA** to persist the data into the Database.
 - Primarily focused on using **Spring MVC** to implement **Rest web services** in order to achieve optimal communication and integration with the client side under a large number of visits.
 - Use **Java Mail Service** to complete the api to send the email.
 - Deploy the backend on the **AWS EC2 instance**
 - Using **JIRA** for tracking project and develop the project in **agile**.
 - Converted a monolithic app to microservices architecture using Spring Boot using 12-factor app **methodology. Deployed, Scaled, Configured, wrote manifest file for various Microservices in PCF.**
 - Implemented **REST Microservices using spring boot. Generated Metrics with method level granularity and Persistence using Spring AOP and Spring Actuator.**
 - Implemented Zipkins for distributed Micro Service Monitoring. Integrated **Swagger UI and wrote integration test along with REST document.**
- Other:
 - Using **Git** as source code control tool

Environment: Angular 9 , Spring boot , Spring JPA , Spring Security , Ag-grid, Echarts , HTML5, CSS3/SASS ,Git, agile ,JIRA

Asbury Park Hotel, Asbury Park
Asbury Park, NJ

March 2018 – December 2018

Full Stack Angular Developer
Employee point's management system

Description: This system is an employee point's management system used to calculate employee points and help them obtain points from their manager. I am involved with calculating employee points which are a part of the ERP system that apply to buy the gifts and have daily chatting with the colleague for the internal use .

Responsibilities:

- Front-End:
 - Used **angular 4** framework to build the frontend part of the projects
 - Used the **mocha** and **Jasmine** to finish the unit testing of services, directive , pipe and the components in the frontend.
 - Used **akita entity store** to implements the state management of the entity

- Make the frontend page more user friendly and implement the validation of the input in the form by the **Angular material**.
- Used **echarts** to visualize data from the server to build the Points pie chart.
- Use **trrello** to track my task in each sprint
- Achieve the version control by using the **GitLab**
- implements the **CI/CD** by creating the pipeline in the **gitlab**.
- Customized upload component of bootstrap to implement upload user avatar to the **AWS S3** bucket from the front-end.
- Back-End:
 - Use **Node.js**(express framework) to build the backend
 - Use **JWT** token to manage the session and check the user if login
 - Use **mongoDB** to build the backend database.
 - Use **Socket.IO** to implements a chatroom for the company internal use
 - Use **aws amplify serverless** to deploy the backend by implements the point to point without the server
 - Parsing the response by the middleware **bodyparser**
 - Using **JIRA** for tracking projects and developing the project in **agile**.

Environment: Angular 4, HTML5, CSS3/SASS, Angular Material 5.0.2, express 4.15.2 , lodash: 4.17.15 , Jasmine 2.8.6, sequelize 5.19.0, akita 4.10.0 , jwt-decode 2.2.0, angular-notifier 4.1.1

Monmouth University
LongBranch, NJ

September 2017 – December 2017

Front End Developer (BlockChain pet shop)

Description: Integrate with blockchain technique with the pet shop makes people can buy pet online with digital currency.

Responsibilities:

- Front End:
 - Designed and developed various Web forms using **HTML, CSS, Bootstrap** and **JavaScript, React.JS**
 - Created components using **react.js** and also created documentation for components
 - Experience in using **Bootstrap** which can easily manipulate modal windows alerts, tooltips, scroll spy, Pop over, button, type head, etc
 - Experience in using **GIT** for pulling and committing the developed content from/to the **GIT repository**
 - Good experience of debugging **JavaScript, CSS3** and **HTML5** code.
 - Designed applications that execute on various browsers such as **Internet Explorer, Mozilla Firefox, Google Chrome**, and Opera using various debugging tools like **Firebugs/IE Developer Tools**.
 - Using the **Redux** to implements the IOC of the React

Environment: JDK 1.7, Java SE, J2EE, Tomcat, Spring Boot 1.2.x, Hibernate 4.0, JavaScript,Reactjs, Ajax, HTML5, CSS3, Bootstrap 3, Maven 3.0, Eclipse, GIT, JUnit, MySQL 5.7, Agile, Eclipse

NIIT Technologies
China

June 2016 – June 2017

Full Stack JAVA Developer

(Yarui Ecommerce web application (with CRM management system))

Description: NIIT software company enabling its clients to transform at the intersect of unparalleled domain expertise and emerging technologies to achieve real-world business impact. This e-commerce website with the CRM system is a project that builds for an ecommerce company which used to make customers order goods and get delivered online. My responsibility is to build the back-end of the CRM system and the backend of the e-commerce system.

Responsibilities:

- Front End:
 - Complete the frontend with the **freeMarker** template engine.
 - Build the responsive page with **HTML**, **CSS** and **JavaScript**
- Back End:
 - Integrated **spring mvc**, **struts2** and **mybatis** to build the backend framework.
 - Use **redis** to build the database.
 - Make the query more efficient in the database by using the **solr**
 - Implement the distributed system by the **Dubbo framework** which is **micro service**
 - Developed **RESTful API** for data retrieval.
 - Make use of **git** to achieve the version control
 - Use **Yii** (PHP framework) to build the embedded CRM system
 - Using **JIRA** for tracking project and develop the project in **agile**.
 - Wrote unit and integration tests to test all the desired functionality using **jUnit**

Environment: Spring MVC , Struts 2, Mybatis , Yii ,HTML5, CSS 3,JavaScript,redis,solr,Dubbo,agile,eclipse,freeMarker,JIRA,junit, Maven 3.0,git

Internship Experience:

Lawn doctor Inc
Holmdel NJ

September 2018- December 2018

- Manage the dataset used in the demo application.
- Built the dashboard for business analysts.
- Create the algorithm for the franchise info.
- Build the internal system database server.
- manage and maintain the database.