

SUMMARY

- Around 2 years of professional IT experience with full project lifecycle development in Java technologies with Requirement Analysis, Design, Implementation, Development, Testing, Maintenance and Deployment of software applications.
- Hands-on experience on React/Redux technology for one complete project
- Experienced in open-source frameworks: Spring Boot, Spring Data JPA, Spring MVC, Hibernate ORM

EDUCATION

MS in Software Engineering, University of Texas at Dallas, Richardson, TX	Aug 2018 – Dec 2020
Certificate in Computer Science, National Taiwan University of Science and Technology, Taiwan	Sep 2016 – Jun 2017

TECHNICAL SKILLS

- **Programming Languages:** Java8, Javascript ES6, Python, HTML5, CSS3, SQL, Scala
- **Web Technologies:** React, Redux, jQuery, Bootstrap, Spring Boot, Spring Data JPA, Spring MVC, Hibernate
- **Hadoop Technologies:** MapReduce, HDFS, Spark, Apache Kafka
- **Miscellaneous:** Git, Maven, JUnit, Postman, AWS EC2/S3, MySQL, Oracle SQL

EMPLOYMENT

<i>Software Engineer – Full Stack</i>	ReadyCom eServices Corporation, Taiwan	April 2014 – May 2016
<ul style="list-style-type: none">• Constructed Financial System using Spring MVC, Hibernate, ZK Framework transferred from Oracle D2K. Such system was expected to save royalty (around \$70,000) and to reduce personnel cost by 30% per year. Maintained four modules function system over 500 forms to improve overall information integration quality for customers.• Planned and developed Fire Insurance Verification System using React, Javascript, Spring Boot, and Spring Data JPA, which increased Key Performance Indicator (KPI) for insurance renewal by 19% in 2016.• Designed and developed common utility and template programs in the backend for outsourcing developers to enhance the code quality and accelerate the developing process by 25%.• Technologies: React, Javascript, Spring Boot, Spring MVC, Hibernate, HTML5, CSS3, ZK Framework, Oracle SQL		

PROJECTS

Course Appointment Scheduling System Computer Science Mentor Center Project	Jan 2020 – May 2020
<ul style="list-style-type: none">• Built a Course Appointment Scheduling System for students, mentors, and instructors to be easier to arrange a schedule for enhancement and integration of their classroom learning.• Used React-DOM to improve loading page time. Used React-Redux library to manage state. Used Redux-Thunk in order to maintain the unidirectional data flow in a complex application.• Reduced 65% rendering time of the web page (from 262ms to 91ms) and page freezing and developed active tab for lazy loading to improve user experience via using React-Perf.• Technologies: React, Redux, Javascript, Spring Boot, Spring Data JPA, HTML5, CSS3, MySQL, Docker, Maven	

Distribution System Mutual Exclusion University of Texas Project	Jan 2020 – May 2020
<ul style="list-style-type: none">• Used Lamport's Mutual Exclusion Algorithm to build a replicated system.• Achieved a synchronized replicated system for five clients, four files, and three file servers in multithreaded programming 100 times requests for each client.• Utilized timestamp to order critical section requests and to resolve any conflict between requests.• Technologies: Java, Socket-Programming, Multithreaded-Programming	

Burger Order Mobile Application University of Texas Project	Aug 2019 – Jan 2020
<ul style="list-style-type: none">• Built responsive page and layout using CSS3 that plays well across multiple platform such as mobile and tablet laptop.• Used JSON Web Tokens (JWT) applied to user authentication and real-time database of Firebase platform.• Technologies: React, Redux, Javascript, JWT, Firebase	