

# CHARLIE DING

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## Full Stack/Web/API Developer (Java, JavaScript)

### PROFESSIONAL SUMMARY:

- Experienced on monolithic architecture applications built with Spring framework, Struts, Hibernate, Java Servlets, JSP, HTML/HTML5, CSS, JavaScript (ES6), Angular, Oracle, MS SQL Server, MySQL, PostgreSQL, MongoDB, and Redis.
- Hands-on experience using microservices architecture application build with Spring Boot, Spring Cloud, Eureka, Consul, Hystrix, Resilience4j, Kafka, Git, Docker.
- Extensive knowledge and practical experience in object-oriented programming, design pattern, data structure and algorithm, and multithreading.
- Contributed in many project phases, ranging from requirement gathering, documentation, designing, coding, quality control to defect resolution.
- Developed many enterprise solutions for customers in water conservancy, agriculture, land and resources, e-commerce, finance fields in agile environment.
- Proven expert in data modeling from conceptual and logical design to physical implementation.

### EDUCATION:

Software Engineering Technology Co-op Diploma  
Centennial College, Toronto, ON

Sept. 2021 – Present  
Expected Graduation: Apr. 2024

Coursework Completed: Course 1, Course 2

Bachelor of Engineering, Prospecting Technology and Engineering  
Chang'an University China

Sept 1999 - July 2003

### RELATED WORK EXPERIENCE:

#### Software Developer

Self Employed · Freelance  
Toronto, Ontario, Canada

Jan 2018 - Nov 2020

- Provided contract support for a variety of projects ranging from frontend to backend, web to mobile, desktop to cloud.
- Skills: JavaScript Vue React · Python · Docker · SQL MySQL · Java Spring

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## **Java Full Stack Developer**

GoMaterials – Montreal, Canada

Apr. 2017 – Nov 2017

- Participated project architecture evaluation, refactored the server-side code from python to java using Spring framework to improve maintainability.
- Improved performance by 200% and reduced time spent on bug fixes by 30%.
- Designed products, orders and logistics three module dependent database table, using MySQL, Spring Data JPA, and Hibernate improving core business data security and stability.
- Refactored UI code from angular 1 to angular 2 using TypeScript, bring mobile oriented & better in performance.
- Designed and implemented RESTful API backend, using Spring MVC. Spring Security, JWT, JSON to make service side code scalability, flexibility and portability.
- Integrated SendGrid Web API and Google Maps API web service to design and implement mail marketing module and delivery fee calculate module.
- Designed and coded back-end microservice version and deploy to AWS, to make our application to scale and survive infrastructure issues; using Spring Boot, Spring Cloud, Eureka, Consul, Nacos, Hystrix, Resilience4j, RabbitMQ, Kafka, Git, Docker.

## **Senior Java Developer**

Autozi.com – Beijing, China

May 2014 -Feb 2017

- Participated in the design and initial realization of the company's self-developed e-commerce cloud platform using Microkernel Architecture aim to achieve IaaS, PaaS, SaaS Cloud Service ability.
- Implemented the two core parts of the system architecture: core system and plug-in modules, using Java 8, OSGi.
- Gained scalability, flexibility, functional isolation, custom processing logic four benefits.
- Finished data modeling from conceptual and logical design to physical implementation for item order processing, item warehousing logistics process, supply chain finance, using MySQL, Power Designer.
- Completed six foundation Service: Hibernate Service, Redis Service, Elasticsearch Service, Mail Service, Authenticating Service, MQ Service, REST Service, using JPA, Hibernate, Redis, Elasticsearch, Apache CXF, Apache ActiveMQ, the server-side capabilities of the cloud platform are basically shaped.
- Updated front end technique stack to Component Architecture using Angular 1.