

[GitHub](#) | [LinkedIn](#) | [Portfolio](#) | xiechangning20@gmail.com

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Skills

Front-End: HTML5, CSS, JavaScript ES6, JQuery, Ajax, JSON

Back-End: Java, Node.js, MySQL, MongoDB, SQLServer, Redis, Maven, Gradle, JUnit, Swagger, Postman

Frameworks: Vue.js, Express, React/Redux, Bootstrap, Spring&Spring Boot&Spring Security

DevOps and CI/CD: Jenkins, Docker, Kubernetes, Ansible, AWS (EC2, RDS, SES), Git/GitHub/GitLab, Linux

Philosophies: Restful, MVC, OOP, SaaS, Agile/Scrum, Data Structure/Algorithm

Work Experience

Web Application Developer

August 2020 - November 2020

JDZT Co., Ltd - Chengdu, Sichuan, China

Worked with an Agile team to develop a cloud-based big data platform using Spring Boot and Vue.js

- Developed backend RESTful APIs to achieve CRUD purposes for geotechnical data including underground exploration and project information based on 3-tier architecture
- Developed a backend API to achieve CAD engineering DWG file previewing using the QCAD open-source API
- Developed specific Java data objects to import engineering exploration data from a third-party API
- Worked with front-end developers and software test engineers to fix bugs and documented the process flow
- Conducted web service design, deployment and documentation
- Conducted research into new technologies, including tools, components, and frameworks
- **Toolkit: Java 8, Spring boot, Spring Security, Vue.js, MySQL, Redis, Tomcat, Swagger, GitLab, Jenkins, IntelliJ Idea, Visual Studio Code**

Personal Projects

Clay Music Shop

View [Demo/Code](#)

An e-commerce web application using Java MVC and OOP design pattern

- Main functions include user registration (email activation) & authentication, product details, shopping carts, delivery address and order placing
- **Toolkit: Html, CSS, JavaScript, JQuery, Ajax, Bootstrap 4, Java 8, JSP, MySQL, AWS (EC2, SES), Eclipse, Maven, Jenkins, Docker, Ansible**

MusicGram

View [Demo/Code](#)

A MERN stack social network web app for musicians

- Main functions include user registration & login, user profile (audio upload & streaming, YouTube video streaming) and user networking (share posts and comments with each other)
- **Toolkit: HTML, CSS, JavaScript, Node.js, Express, React/Redux, MongoDB, Postman, Heroku, Visual Studio Code**

Android Earthquake Listener

View [Code](#)

A web app that provides update of earthquake data extracted from USGS based on Google Map

- **Toolkit: Java, Android Studio, Gradle, Google Map API**

Education

Master of Engineering: Civil and Environmental Engineering

September 2018 – May 2020

University of Ottawa – Ottawa, ON

Relevant courses:

Advanced Data Technology in Road Safety Analysis, Transportation Network Data Analysis