Han Gao

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Portfolio: **https://highcold.io**

TECHNICAL SKILLS

- Programming Languages: Java, C++, JavaScript, TypeScript
- Front-End Technologies: Sass, TailwindCSS, React, Redux (**Showcased in Portfolio**)
- Back-End Technologies: Spring Boot, Hibernate, Spring AOP, RESTful Web-Service, Microservices (Eureka, Feign and Gateway), Spring Security (JWT), Message Queue (RabbitMQ), Swagger
- Database: MySQL, MongoDB
- Cloud Services: AWS (S3, RDS), MongoDB Atlas
- Testing Tools: Backend: Junit5, Mockito, Postman, JaCoCo; Frontend: Jest
- Version Control and Project Management: Git, Jira

EDUCATION

University of Southern California, CA   Jan.2020-Dec.2022
M.S. in Computer Science, GPA: 3.71/4.00
Wuhan University, China   Sept.2015-June.2018
M.S. in Information and Library Science
Jianghan University, China   Sept.2009-June.2013
B.S in Information Management and Information System, GPA: 3.78/4.00

Coursework: Programming System Design, Web Technologies, Computer Networks, Operating System,
Database Systems, Analysis of Algorithms

WORKING EXPERIENCE

DJi | Front-end Developer (Intern)   May.2022-Aug.2022
- Collaborated closely with a mentor to co-develop features for a component library using **React**.
- Leveraged **TypeScript** to bolster component library robustness and type-safety, enhancing performance.
- Improved UI/UX with **TailwindCSS**, optimizing mobile responsiveness and platform-wide visual consistency.
- Gained hands-on experience with **Jest** and **React-testing-library** under guidance, ensuring comprehensive testing and quality assurance for developed components.
- Utilized **Storybook** for efficient local debugging and auto-documentation, streamlining development collaboration.
- Contributed to the component design and development, including buttons, icons, and menus, aligning with best practices and design specifications.
- Learned to publish packages to **NPM** for enhanced developer integration and accessibility.
- Incorporated **CI/CD** support, automating testing and deployment, minimizing manual errors.

NetEase | Java Developer (Intern)   May.2021-Aug.2021
- Developed **RESTful** Web Services for microservices applications leveraging Java 8 and Spring Boot.
- Utilized **Apache Maven** for dependency management and build automation.
- Crafted **MySQL** tables and executed deployments to Alibaba Cloud for file storage; similarly, designed **MongoDB** tables and deployed to **MongoDB Atlas**.
- Employed **Spring AOP** for consistent handling of concerns, such as exception management.
- Integrated Spring Cloud **Netflix Eureka** for microservice discovery and meshed Spring Cloud **API Gateway** with **Open Feign** to enhance microservice communication.
- Managed user authentication and authorization using **Spring Security**, coupled with **JWT**.
- Conducted unit tests using **JUnit** and **Mockito**; monitored test coverage via **JaCoCo**.
- Documented APIs with **Swagger** and tracked application live status using **Actuator**.
- Collaborated on code versioning and teamwork using **Git** and **GitHub**.
- Managed issues and tasks using **Jira** for streamlined project tracking.