

Yongxing, Nie

☎ 437-984-9132 | ✉ nie.yo@northeastern.edu | 🌐 <https://github.com/yx-nie> | 📍 Toronto, ON

SKILLS

Languages: Java, PHP, C#, Python 3, JavaScript, TypeScript, Node.js, HTML, CSS, jQuery, JSON

Technology: Spring Boot, Groovy, REST APIs, Angular, React, Vue, Redux, Postgres, MySQL, MongoDB

Developer Tools: GitLab, Unix/Linux, bash, IntelliJ, Visual Studio, Ansible, AWS cloud deployment, Jenkins CI CD DevOps, Kubernetes, Docker, Confluence, Jira

Soft skills: Experienced project management with outstanding communications and interpersonal skills, strong organizational, analytical skills and problem-solving skills.

PROJECTS

Full-Stack Web Movie-Recom APP with Spring Boot and Angular Dec 2022

- Designed a full-stack movie-recom web application, enabling users to discover and rating movies.
- Developed the backend REST APIs to handle CRUD operations using Spring Boot
- Developed the user login and movie recom platform front-end with Angular, HTML, CSS, Node.js
- Implemented JPA and hibernate for MySQL database persistence and management
- Implemented authentication with spring security with JWT to secure RESTful APIs
- Used Redis as data store for movie-recom app cache to decrease data access latency
- Implemented automated tests for various layers codebase testing in TDD principles
- Applied Git, Jenkins, ansible, Docker, and Kubernetes for agile/scrum and sprint development infrastructure

Full-Stack Todo App with Spring Boot, React, and AWS Dec 2022

- Developed responsive Todo application that allows users to create and manage daily tasks
- Developed the backend RESTful APIs to CRUD Todo lists from MySQL database using Spring Boot
- Implemented the Todo app frontend with React, HTML, CSS, Node.js, and jQuery
- Utilized axios and react-router-dom for client-side routing and displaying
- Deployed the Todo app on AWS EC2, and utilized AWS RDS to set up a MySQL database
- Implemented SSL/TLS and configured TCP/IP networking to ensure communication security
- Integrated AWS SQS for message queuing to handle asynchronous processing of messages

Fyuur Web App with Flask in Python 3 Aug 2022

- Developed Fyuur, a responsive platform for discovering and booking musical venues and artists
- Implemented a user-friendly frontend using HTML, CSS, JavaScript, Bootstrap 3
- Utilized PostgreSQL as the primary database for data storage and management
- Utilized Python3 and Flask as the server language and framework
- Utilized Flask-Migrate to manage and run schema migrations
- Planned and maintained the platform with SDLC strategy

PROFESSIONAL EXPERIENCE

Shenzhen National High-Tech Industrial Innovation Center Shenzhen, China

Project Manager Feb 2019-Feb 2022

- Managed a \$4 million National Gene Bank Life Science Data Trusted Sharing System project
- Led the research and analysis of project feasibility and necessity, utilizing industry best practices
- Monitored project expenses and implemented cost control measures to ensure adherence to budget
- Provided strategic guidance to ensure timely and effective completion of project deliverables
- Regularly reported on project progress to management, identifying and mitigating potential risks

EDUCATION

Northeastern University Toronto, ON

Master of Science in Information Systems, GPA: 3.85 2022- June 2024(expected)

Courses: software engineering, computer science, algorithms and data structures, machine learning

The Chinese University of Hong Kong Hong Kong, China

Ph.D. in Materials Science and Engineering 2014- 2018