

Yichen Zhan

Software Engineer



homepage.com



My Github



My LinedIn



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PROJECT

E-COMMERCE BOOKSTORE | MERN STACK

May 2021 – Aug 2021 | Toronto, Canada

- Led development team of 4 on custom online bookstore using React, MongoDB, Node.js, Express and Heroku for deployment.
- Utilized React Router to reduce render function complexity and improve code base scalability.
- Used HTML5, CSS3, ReactJS as the front-end tools to build module pages that communicate with back-end API with Restful API, Node.js, Express.js.
- Created REST APIs in Node.js using express to communicate with server and integrated JWT, Mongo Atlas, bcrypt frameworks for Authentication.
- Implement state management using Redux in shopping carts.
- Worked on project management tools like JIRA for task tracking tool and Git for version controlling.
- Performed React unit testing using Jest in Test Driven Development (TDD) environment and followed agile methodology.
- Contributed to the DevOps to automate the CI/CD pipeline using GitLab and Heroku.
- Held weekly SCRUM meeting to track the progress for each iterative cycle and assign tasks/ticket to team members.

MOVIE CRUD APPLICATION | SPRING BOOT AND REACTJS FULLSTACK

Jan 2021 – Apr 2021 | Toronto, Canada

- Designed and developed a full stack Vudu clone site with different modules using React, Redux, HTML5, CSS3, Bootstrap, Spring Boot and MongoDB.
- Utilised Firebase for Authentication, so that users can sign-in/sign-up using email/password.
- Designed and developed the REST based Microservices using the Spring Boot.
- Used GIT for Source Control and Version Management of all codes and resources.

WORK EXPERIENCE

UREC.IO | WEB DEVELOPER

March 2019 – Dec 2020 | Toronto, Canada

- Built WordPress blog site from scratch, and installed required plugins to fit design and functionality requirements. (<http://blog.urec.io>)
- Oversaw 75 social media campaigns, including creating and deploying content, engaging with 167 clients.
- Developed and implemented SEO strategies to improve website ranking on Google.
- Performed accurate reporting and metric trend analysis in assets
- Provide data-driven analytic support to the team and analyzed user requirement to derive software design
- Involved in all stages of Software Development Life Cycle (SDLC) as well as working in Agile based development environment, participating in scrum meetings.

SKILLS

PROGRAMMING

Proficient:

JavaScript • Java • Python
SQL • CSS • HTML

LIBRARIES/Frameworks

React • Node.js • Spring Boot •
Express • Redux

TOOLS/PLATFORMS

Git • MongoDB • MySQL •
Heroku
Wordpress • Docker • Azure •
AWS • PostgreSQL

EDUCATION

SENECA COLLEGE

POSTGRADUATE CERTIFICATE

Jan 2021 - Aug 2021 | Toronto, Ontario

Database Application

Developer Program

Cum. GPA: 3.7 / 4.0

UNIVERSITY OF MANITOBA

BACHELOR'S IN PHYSICS

Jan 2012 - Aug 2016 | Winnipeg,

Manitoba

School of Science

Cum. GPA: 3.5 / 4.0