

ROICE LIU

Software Engineer

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in LinkedIn

☎ 608-504-0439

🐙 Github

🌐 Portfolio Website

WORK EXPERIENCE

Full Stack Developer | Contractor

Tesla

📅 Jun 2021 - current

- Implemented validation logic block for regions' leasing status in Microservice API
- Enabled API's leasing permissions for vehicles from granted regions using MySQL and tested functionality
- Improved the Europe region invoice related RDLC template with filtering data logic using microservice API

Software Engineer

Itlize Global

📅 Apr 2021 - current

- Developed a marketplace web application in C# with the ASP.NET framework and MVC. Built under onion architecture to decouple dependencies, allowed users to securely login and register, search and filter product information queried from SQL database with Entity framework database-first approach.
- Built the RESTful API task manager(APS.NET web api framework) and enhanced the API's security and performance with JWT token, error handling filters and Owin authentication middleware, allowed CORS for front-end access in C#. Implemented client-side app with Angular framework with client-side

Partner & Software Developer

Birdwell Solutions

📅 May 2020 - Jul 2021

- Madison based software consulting startup which provides contracted software service. Determined the architecture, design and features of the company's official website and translated the UI wireframes into fully reusable and responsive React web pages with CSS, Javascript, ES6, Node.js and Git.
- Designed highly-satisfying user interface wireframes and mockups. Improved dev. teams' sprint efficiency by 20% with Jira agile software. Led and initiated company's project management expectations, standards, and execution rules.

SKILLS

Programming Languages

(Proficient) JavaScript, TypeScript, HTML, CSS, Java, C#, SQL

(Familiar) C, Python, Verilog

Libraries & Frameworks

jQuery, React, Angular 2+, Node.js

Tools

Github, Microsoft Azure DevOps, Dyatrace, Docker, Jira

Design

Figma, Adobe InDesign

PROJECTS

Path Visualizer

Designed and developed the path-finding visualizer under different maze-searching algorithms, analyzed structure and architecture to enable animations in TypeScript with Angular Framework and Node.js.

Portfolio Website

Fully designed and prototyped the one-page portfolio's visual graphics & user interactions using Figma. Built the highly-responsive web page with animated smooth scrolls, flex-boxes and grids using Javascript, Styled-components, Node.js, React framework and Github Pages.

EDUCATION

B.S.E Computer Engineering & B.S. Computer Science

University of Wisconsin-Madison

📅 Sep 2016 - May 2020

📍 Madison, Wisconsin