Benson Jin

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Education

Case Western Reserve University Cleveland, OH

Bachelor of Arts in Computer Science *Aug. 2020 – May 2024*

Relevant Coursework:

Intro To Connected Devices (IOT), Software Engineering, Fullstack Web Development, Data Structures/Algorithms

Experience

UnitedHealth Group - Optum June 2022 – Aug 2022

Software Engineer Intern *New York City, NY*

- Reduced computing power costs by 40% through building reusable, scalable infrastructure solutions to migrate Pega applications on to the cloud.
- Decreased deployment time by 90% as achieved by implementing the automation of credential authentication, security certificates, resource management and deployment of Pega applications hosted on Kubernetes containers through a Jenkins pipeline.
- Integrated a Resource Agent (Python) with an in-house Healthcare platform to send HTTP requests to the Jenkins pipeline that manages Pega applications.
- Created a mock interface for deploying and updating Pega applications using React.

Projects

Waiting Lyne

TypeScript, React, MongoDB

- Teamed with 5 people to build a progressive web app that allows businesses to manage customers in a online waiting line.
- Built REST API that handles and syncs administrator requests for managing their queues with the database using Mongoose.
- Created sign-up page for businesses and administrator dashboard to manage all of the business's waiting lines information with ChakraUI.

Lampi

Amazon EC2, Python

- Built a Raspberry Pi smart lamp with controllable color and brightness integrated with Spotify that is hosted on an Amazon EC2 instance.
- Connected smart lamp with website built on Django to control power, color, brightness and song, through HTTP requests to Spotify's API.
- Designed home screen on lamp using Kivy which displays song, title, artist and album cover and interacts with GPIO pins to change color based on music.

Weathering-io

Javascript, React, Leaflet

- Deployed weather website that displays daily weather information, weekly weather forecasts and weather maps for an user's location.
- Integrated interactive weather map using Leaflet for visualization of weather factors such as temperature, atmospheric pressure, wind, humidity, precipitation.
- Implemented a backend that fetches data from OpenWeatherMapAPI to display information on the current weather and forecast for the week using Geolocation.

Technical Skills

Languages: Python, JavaScript, HTML/CSS
Frameworks: React, Node.js, Express.js
Developer Tools: Git, VS Code, Linux, Jenkins, MongoDB
Libraries: ChakraUI