

NISARG DAVE

Software Developer

CONTACT



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SKILLS

HTML, CSS, JavaScript, React, Vue.js, Next.js, Java, Python, Typescript, Node.js, Docker, Git, GitHub

EDUCATION

University of Western Australia

February 2018 - November 2021

Bachelor of Science in Software Engineering and Data Science

PROJECTS

The Mandalorian API

A Mandalorian universe REST API built using Kotlin and Ktor offering quotes, character and planet details. Runs in Docker container on a DigitalOcean droplet.

The Prem

A Premier League web app displaying standings, fixtures & live scores. Built using MEVN (Mongo, Express, Vue, and Node.js) stack. Dockerised on AWS EC2.

Serverless Reminder Function

An AWS Lambda function that uses Node.js and Puppeteer to remind my friends to update their Fantasy Premier League teams before each matchweek's deadline.

EXPERIENCE

Vizcom

SOFTWARE DEVELOPER

March 2022 - Present

- Real-time Room Booking Communication System:
 - Integrated Appspace on room booking panels with video conference panels using JavaScript and WebSockets.
 - Dynamically updated meeting room booking controls in either system.
 - Implemented Jest for unit testing and set up a Bitbucket Pipeline for automated testing.
 - Monitored and instrumented the program using Azure Application Insights.
- HTML, CSS, and JavaScript Solutions:
 - Leveraged SAP RESTful Raylight Web Services and JavaScript to render a BusinessObjects dashboard onto a video wall.
 - Performed end-to-end testing using Cypress on a custom-made Tableau card in Appspace.
 - Developed a solution using HTML, CSS, JavaScript, and the Bootstrap Table library to display meal breaks data from the Minestar API on signage screens using Appspace.
 - Utilised HTML, CSS, JavaScript, Microsoft Authentication Library, and Microsoft Graph API to display excel spreadsheets from SharePoint on interactive signage screens.
- BrightSign Device Automation:
 - Created a JavaScript program for BrightSign devices to automate signage screen operations, including turning on screens and switching HDMI input using Consumer Electronics Control (CEC).
- HL7 Message Testing and Log Management:
 - Developed Python scripts to generate HL7 messages to load test Vizcom's custom HL7 parser written in Java.
 - Upgraded the Log4j version, implemented separate loggers for error and informational messages.

Coders For Causes

VOLUNTEER

June 2021 - February 2022

- Developed a web-based data entry application for the Western Australian Institute of Sport's (WAIS) pole-vaulting program in an agile team using Docker, Git, and GitHub.
- Created reusable components from Figma UI for coaches to record jump data using Vue.js, Vuetify, HTML, CSS, and JavaScript.
- Managed the application's state with Vuex, handling athlete's information, session details, and jump data.
- Implemented a CI pipeline script for JavaScript linting checks.
- Mentored by technical leads through peer coding and reviews.