TYNA WILLIAM

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SKILLS

React, Redux, Python, Flask, Javascript, NodeJs, Express, HTML5, CSS3, SQL, Sequelize, PostgreSQL, Docker, AWS, REST APIs, GIT, Object Oriented Programming

EXPERIENCE

Software Engineer & Technical Coach

App Academy   Feb 2021 - present
- Collaborate with placements teams to design and maintain responsive internal facing applications responsible for tracking progress of over 400 current students with the ability to scale for future student enrollment. .
- Assist over 60 students in debugging fullstack applications and getting them to a presentation ready state.
- Design reusable unit tests to ensure quality control and identify bugs in sample applications and benchmark diagnostic tests.
- Organize and execute Data Structures and Algorithms lectures for over 60 students.

Software Engineer (Contract)

StepUp Grow - Small Business Consultancy FIrm   June 2020 - Dec 2020
- Designed dynamic client tracking system on a Python backend and React Frontend to create a seamless user experience capable of monitoring real time changes in client status.
- Collaborated with remote teams, employing agile development methodologies to ensure timely deliverables that met outlined project specifications.

PROJECTS

nVision   (ReactJS, Python, FLask, SQL)   live | github
Digital vision boarding application
- Implemented user authentication using Python's werkzeug security hashing functionality on the backend and restricted unauthorized access to user specific site features using Auth Routes on the frontend .
- Designed a digital, vision boarding experience using React DND's drag and drop API, giving users creative control over how elements are laid out on their boards.
- Incorporated AWS S3 to store user boards in the cloud and allow image uploads, reducing server load and improving the overall efficiency of the application.

Petstagram (Instagram Clone)   (ReactJS, Python, Flask, SQL)   live | github
Petsgram is an Instagram clone for pets
- Designed an algorithm to display a custom feed for each user, utilizing React Hooks to update Auth context by calling a backend API for all followees and sorting by most recent uploads to mimic a true Instagram feed.
- Implemented React Context retrieves unique information for each post that is clicked on the feed, allowing users to leave comments and likes on their favorite posts.

Boba With Buddies   (Express, JavaScript, PostgreSQL)   live | github
Boba WIth buddies is an app to connect strangers in various cities using an Express backend, VanillaJS frontend, and Google Maps API
- Designed backend user authentication using JSON Web Tokens to verify changes to user information such as profile editing, event booking, and deleting.
- Integrated Google maps API into app's search functionality to dynamically produce available event options based on user location preferences.

EDUCATION

Software Engineering - *App Academy*   Winter 2020
BS Computer Science - Cyber Security - *University of Providence*   Fall 2019