TREYVION JOHNSON

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EDUCATION

Springboard Software Engineering Career Track   2020 - 2021
800+ hours of hands-on course material, with 1:1 industry expert mentor oversight, and completion of 2 in-depth portfolio projects. Mastered skills in front-end web development, back-end web development, databases, and data structures and algorithms.

University of Houston   2012 - 2016
Bachelor of Science Computer Information Systems, 3.5 GPA
Relevant Courses: Enterprise Application Development, Database Administration & Implementation (Oracle), Internet Application Development, Cloud Computing Infrastructure.

EMPLOYMENT

Bouncing Pixel, *Software Developer*, Houston, TX   Feb. 2021 - Current
• Successfully led the migration of a legacy PHP lead generation web app with 11,000 weekly visits to React.js and TypeScript, enabling the app to send API requests to .NET Azure functions. The migration resulted in a 25% improvement in page load times and a 10% increase in lead conversion rates, leading to significant cost savings for the company.
• Designed and developed an analytics dashboard using React, Redux, and Chart JS on the front end, and MongoDB and .NET 5.0 on the back end. The dashboard provided valuable insights into lead behavior.
• Collaborated with a cross-functional team to design and build a user-friendly and customizable online course builder using React TypeScript and .NET 5 for the backend API. The project received high praise from clients for its ease of use and its ability to guide instructors in creating their ideal course.
• Developed a consultation feature that enabled users to easily book consult sessions with consultants through a calendar system, utilizing Zoom's API to create and manage Zoom meetings. The feature streamlined the scheduling process for consultants and users, reducing the time and effort required to manage their schedules by 20%.
• Upgraded a legacy PHP site to improve its performance and Google Light House metrics by 10% by updating it to PHP 8.2.

Borehole Seismic, *Software Engineer Intern*, Houston, TX   Feb. 2017 - Feb. 2018
• Developed a 3D visualization application using C# .NET and PostgreSQL to support Geoscientists in their analysis process.
• Collaborated with team members to develop a Ruby on Rails application that significantly improved communication between employees and clients by providing real-time updates on ongoing client projects and which employees were managing them.
•Utilized JQuery and Bootstrap to completely overhaul a Rails web application's UI, resulting in a 98% improvement in employee workflow.
• Troubleshot, improved, and added new features to a Ruby on Rails web application, resulting in significant enhancements to employee workflow and the elimination of data inaccuracies.

PROJECTS

My Droplist Mobile · Nov. 2020 - Dec. 2020
• Led the transformation of a complex web application into a mobile app using React Native, resulting in a 50% increase in employee participation.
• Designed and developed a RESTful API backend using Node.js and Express, leveraging data from a PostgreSQL database to create analytics charts using Google Charts.
• Incorporated JWT authentication to securely authorize users and protect API routes.
• Implemented Test-Driven Development (TDD) best practices using Jest and SuperTest to reduce development time and improve software quality.

My Droplist · June 2020 - July 2020
• Led the development of a warehouse employee performance tracker web application in Flask Python, which was used to track worker productivity and generate performance graphs using Quickcharts API.
• Help promote transparent communication and teamwork by creating the ability to assign, track, and change the status of tasks using PostgreSQL.
•Developed unit tests using Python's Unit test framework, which played a critical role in ensuring the quality and consistency of the web application.
• Utilized CSS and Bootstrap to create responsive web pages that produce a consistent user experience across different viewports by utilizing flex box, CSS grid, and media queries.

SKILLS

TECHNICAL SKILLS: Python, Flask, JavaScript, Bootstrap, SQL, React.js, Redux, PostgreSQL, Express.js, Node.js, HTML, CSS, React Native, Test Driven Development (TDD), Jest, JSON Web Tokens, C#, .Net, Microsoft Azure, Azure Functions, Mongo DB, API, Docker, TypeScript