DAVID ODIO

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SKILLS

Javascript, JQuery, Express, Node.JS, React, Redux, Ruby, Ruby on Rails, RSpec, MongoDB, GraphQL, HTML5, CSS3, SQL, Git

PROJECTS

ACTNow   (HTML5, CSS3, Javascript, Liquid (Ruby-based template))
Shopify platform website designed for a non-profit organization dedicated to distributing test kits for COVID-19
- Learned Liquid, Sophify's Ruby-based framework, and then built custom sections into a theme already been used by the project. It helped by keeping the original's theme's features the project leader wanted to use while being able to adapt the site to also meet our UI expectations.
- Coded a full frontend website using HTML5, CSS3, and Javascript from an InVision design made by a team member. It accomplished a quicker development of the site as there was already visual aid abled to be match pixel by pixel.
- Built a conditional form with database and a donation custom amount feature by customizing third-party addons HTML and Javascript code to meet the project's purposes.

ACTNow 2nd Phase (MEAN + GraphQL)
Small Online eCommerce app for a non-profit organization dedicated to distributing test kits for COVID-19
- Lead Fullstack Engineer
- Prepare a proposal to resolve deployment issue due to Shopify's limitations towards the project
- Build a full eCommerce solution using MEAN under a short deadline
- Use of GraphQL in the API Implementation for more efficient data transfer
- Connect web app with chosen shipping company's API for order fulfillment and shipment tracking.
- Connect web app with Paypal API for credit card processing

Slackers   (MERN)   Live site | Github Link
Slack clone, made using MongoDB as a database, Node, Express, and Mongoose for the backend and React for the frontend.
- Built a fully customized API using Express Router to serve from the back end and Axios as a client from the frontend. Utilizing Axios as a client provided several benefits over the traditional fetch method such as JSON automatic translation, request and response interception, better error handling, and protection against cross-site request forgery (XSRF).
- Implemented custom user authentication utilizing BCrypt hashing function on the backend and Passport, JSON web token, and Express validator as middlewares. By doing so, no password was directly saved in the database but an encryption digested version instead, a login session was able to be kept open managing proper authorization as long as the user was using the app and the inputs given to log in or create a new account were properly sanitized and validated.
- Configured a user messaging feature by using the Socket.io npm library and React. This allowed messages to be delivered to all connected parties in realtime and then rendered in the chat area by React when the message arrival triggered a change of state in the app.

Open Stable   (MERN + GraphQL + Dockers)   Live Site | Github Link
Open-source app based on Open Table that allows users to browse and book horse tours and rides in a given location
- Implemented an API with GraphQL and React-Apollo as a client. It allowed to specifically pick the data needed at the moment of the request rather than like on traditional REST API data transfers where unnecessary big amounts of data are transferred as well.
- Reduce stress on the app's storage limitations and add geolocation features to the app by using AWS and Google API services respectively. Regarding the storage, the pictures uploaded to the site by the user could be saved and properly linked to their assigned object in the app. As for geolocation, longitude and latitude location values on a record could be calculated by the address given and then accurately visualized in a map displayed.
- Prepare the entire app and its dependencies in a container using Docker technology allowing the app to be packaged for easy and successful deployment in a consistent environment, regardless of what server service is used.

EXPERIENCE

IT Consultant

TechToGo   January 2007 - August 2019

- Company owner
- Provided consultation for networking setup and maintenance, hardware, and software and technology assets management.
- Provided maintenance in small and medium business computer systems
- Developed tailored applications
- Design and develop websites and eCommerce solutions.
- Provided graphic design services.
- Clients included law firms, security firms, architect firms, celebrities, non-profit organizations, retailers, professional colleges, and professionals.

Operations Manager

Ameriquest Security   July 2012 - Jan 2019

- Managed cross-functional operations team of 250+ employees (supervisors, schedulers, dispatch, and officers)
- Second in command to the CEO
- Achieved better company employee culture as leader of the hiring committee
- Improved customer relationships by promoting direct communication with our customer base and cutting out middle-man.
- Negotiated more profitable fees with the client portfolio.

Creative Director

Speakal - iPhone sound accessories manufacturer   Dec 2009 - July 2012

- Designed and implemented the company's brand identity
- Principal designer of marketing collaterals, product packaging, and website.
- Collaborated with Marketing team for strategy design and implementation
- Lead coordinator for the company's CES presentation, biggest company annual event.
- Acted as a member of the Product design team.

Lead web administrator

Ecologica Furniture - Reclaimed wood furniture manufacturer   Feb 2007 - Dec 2009

- Implemented an eCommerce solution by using the Magento framework. The quick functionality deployment allowed us to allocate more time to the design and photography of the product which was essential at the time.
- Created logo, business identity, and website design by using Adobe Photoshop, HTML, and CSS. It accomplished a very appealing presentation that matched the company's profile.
- Built custom API with PHP to connect the Magento setup with Overstock.com which became the company's biggest outlet.
- Developed with PHP a custom inventory and warehouse management tool. This tool helped for better inventory control and warehouse organization by keeping track of sales made on the Magento framework and other electronic outlets and also would push a daily order list for the warehouse employees to direct them wherein the warehouse the product could be found and then prepare it for the daily shipping pickup.

EDUCATION

Software Engineering - *App Academy | Fall 2019*
Graphic Design Studies - *Santa Monica College | Fall 2008*
Computer Science Studies - *Universidad de Costa Rica | 2000 - 2003*
Computer Science Studies - *Universidad Latina de Costa Rica | 1998 - 2000*