Matthew Oballe

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PROFESSIONAL SUMMARY

Full Stack Web Developer currently working as a programmer trainee at the University of Texas for the Utilities and Energy Management department. Received a Certificate in Web Development from the University of Texas at Austin honing skills in Javascript, HTML, CSS, and more. Excellent interpersonal communication skills and collaborator who works well on team-based projects as well as independently.

TECHNICAL SKILLS

Node.Js, Express, JavaScript, jQuery, React.js, JSX, GIT, MySQL, Postgres, HTML5, CSS3, Bootstrap, Materialize, APIs, Heroku, AJAX, Restful API, ES6, React Hooks, JSON, Sequelize, AWS, Handlebars

RELEVANT EXPERIENCE | PROJECTS

UT Energy Hub | Full Stack Developer | Deployed Link: https://watch.screencastify.com/v/rPHVgvxHuJDUjT2hzY01 | Github Link: https://github.com/oballematt/ecm_input_forms

An energy portal that I designed for the Utilities and Energy Management department at the University of Texas at Austin. This energy portal encompasses two user interface apps that allows the energy steward to perform actions using data collected from various sources and made accessible using a serverless API set up by AWS API Gateway. It also contains external links that direct the users to various data collection services used by the department and most notably AWS Quicksight dashboard.

- **Role**: My most robust and complicated project I have built to date. This app uses many various libraries to function, but the most prominent are Handlebars, CSS, Bootstrap, Postgres, AWS, ChartJs and Google Charts. Constructed and maintained a web app that allows energy stewards to view and manipulate data. I use various data charts to show trends in data points and allow the stewards to view data from previous two years using a formatted slider in Google Charts. Stewards can also query data stored in Postgres and either edit or create new entries into various data tables using REST API routes I have created in both the front and backend of the application.
- **Utilized**: HTML, Handlebars, CSS, jQuery, Ajax, Express, Node JS, Axios, Bootstrap, AWS systems, ChartJs, Google Charts, Postgres, PassportJs, Sequelize
- **What I learned**:
    - How to register a domain and use Route 53 and how to host the app using Elastic Beanstalk
    - How to use my newly registered domain from Route 53 as the Elastic Beanstalk url by using a load balancer.
    - How to purchase an SSL certificate for the registered domain and allow Elastic Beanstalk to use the certificate for the registered domain.
    - How to operate an api built using API gateway and how to correctly set up CORS permissions for each status code returned by the API.
    - How to query from S3 using Athen and how to access Athena to query S3 directly through the app using athena-express.
    - How to connect the repository to CodePipeline to automatically deploy the latest updates to Elastic Beanstalk any time a push new commits to the GitHub repository.

Spacestagram | Full Stack Developer | Deployed Link: https://spacestagram-mo.herokuapp.com/ | Github Link: https://github.com/oballematt/spacestagram
An image collection app that uses the NASA open API to query pictures from the NASA rovers during their missions on mars.

- **Role**: Used a combination of HTML, Handlebars, jQuery, and CSS-Bootstrap to create an app that queries the NASA open API Mars Rover Photo to display pictures that are sent back from the rovers during their mission on Mars. Users can like any of the photos if they wish and their likes will be persisted through page close or refresh using localStorage. The backend uses a combination of Axios and Express to send GET requests to the open API to retrieve data to use in the frontend in order to populate images.
- **Utilized**: HTML, Handlebars, CSS, jQuery, Ajax, Express, Node JS, Axios, Bootstrap, LocalStorage, NASA open api, heroku
- **What I learned**: The biggest issue I had when building this app was persisting likes through page refresh and close without using a database. I decided to use localStorage to achieve this so I had to figure out a way to send the image ID to localStorage when the like button is clicked and then compare the image ID in storage to the ID of the actual picture. If the ID's matched then I apply the css class that shows that the image had been previously liked.

Matthew Oballe Portfolio| Front End Developer | Deployed Link: https://matthew-oballe.herokuapp.com/ | Github Link: https://github.com/oballematt/matthew-oballe
Portfolio that contains all of my recent projects as well as links to my GitHub, Linkedin and Resume.

- **Role:** My personal portfolio I built using React and Bootstrap with the server being hosted by Heroku. This app is very css heavy as I learned to create modals and hover effects with using bootstrap or any third party plugin. This portfolio contains all of my recent projects as well as relevant skills that I have learned and used during the construction of these projects. At the bottom of the page, I constructed an email form using emailJs that allows the user to contact me using the portfolio.
- **Utilized**: JSX, React, CSS, Bootstrap, emailJs, Heroku
- **What I learned**:
    - How to create a modal from scratch without using a premade modal from bootstrap.
    - How to use and incorporate css modules effectively into my react apps.
    - I learned how to create a modal from scratch without using a premade modal from bootstrap.
    - Deeper understanding of Media Queries.

PROFESSIONAL EXPERIENCE

University of Texas at Austin Utilities and Energy Management; Austin, TX 4/2021 - Present ***Programmer Trainee***
In charge of building and maintaining a full stack web application that acts as an energy portal for the faculty of the Utilities and Energy Management Department. This energy portal contains two user interface applications that allows the energy stewards to manipulate data that is presented to them from Postgres and S3 in AWS. Collaborated closely with our data science engineer who creates the API's used in API Gateway to query specific data on the front end. Also worked closely with various energy stewards to construct the app in a way that would be user-friendly and most efficient for the stewards to use daily.

- Responsible for designing and building an energy portal that encompasses multiple forms and links that are used daily by employees of the energy department that were otherwise separated and scattered through various excel and word documents
- Successfully deployed this web application to AWS Elastic Beanstalk with a registered domain and SSL certificate using AWS Route 53. In charge of monitoring the deployed web apps health using logs provided by Elastic Beanstalk and fixing any bugs stewards may find while using the portal.

EDUCATION
Full Stack Web Development Certificate - University of Texas at Austin; Austin, TX | **2020** *A 12-week intensive program focused on gaining technical programming skills in HTML5, CSS3, Javascript, JQuery, Bootstrap, Passport, Node Js, MySQL, MongoDB, Express, & ReactJS*