

CHRISTOPHER B. JONES

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MISSION STATEMENT

To assist an organization to reach its full potential in providing best in class customer experience and being an industry leader.

PROFESSIONAL STRENGTHS

- Strong attention to detail and excellent problem-solving skills
- Able to deploy fully functional, scalable and sophisticated websites from front end to back end
- Implement enterprise coding techniques, including object-oriented and functional programming patterns
- Affinity for continuous learning, and adapt well to changing environments
- Reputation for initiative, dedication, and conscientiousness in a work environment
- Work well on a team, but also work well independently

TECHNICAL SKILLS

C++, Java, Node.js, Express, JavaScript, PHP, Wordpress, Object-Oriented Programming, October CMS, jQuery, React.js, React Native, GIT, GitHub, MongoDB, MySQL, Firebase, HTML5, CSS3, Bootstrap, Media Queries, APIs, JSON, REST, AJAX, the command line, computer science fundamentals, test driven development

RELEVANT EXPERIENCE

JR Pool Plastering (Houston, TX - contract) September 2020 – present

Full Stack Developer

- Built a standalone PWA to create estimates for contractors and pool builders.
- Estimates are provided across 4 categories, with custom view in accordance with access granted by admin.
- Utilizes the MERN stack, with JSON web token authentication and multi-level access.
- Designed with scalability, security, agility, performance and future expandability as general architectural guidelines.
- Makes enterprising use of React's Context API.
- App is categorically unique, and is on trajectory to create a new industry standard.

Alpha Low Voltage Systems (Fulton, MO - remote) June 2019 – present

Full Stack Developer

- Built a website using React.js, Node.js server, Nodemailer emailing system for contact form, Bootstrap, and additional custom styling. Website hosted at <https://www.alphalowvoltagesystems.com/>.
- Built a custom CRM with automated mailing, templating, and tracking system.
- Built a custom home automation application using Open Z-wave (C++) with a Node.js wrapper. The view is provided using React.js. The application is hosted locally to facilitate security, accessibility, and cost-effectiveness.
- Performed research and development, leading to a version of Raspberry Pi running and hosting the controlling application. The protocols are directly interfaced through Aeotec Z-stick.
- Established social media marketing campaign across Google My Local Business, Facebook, and LinkedIn.

Freelance Web/Software Developer (Houston, TX)

Sept 2018 – June 2020

Full Stack Developer

- Built a company website for an international hockey agency using Laravel, October CMS, and PHP on the backend. Also created a custom plugin and custom styling (no theme) in Bootstrap. Website hosted at <https://www.83llc.com>.
- Built a proprietary web scraping system using Node.js and Google Puppeteer for a medical background investigations company. This system is capable of defeating CAPTCHAs.
- Built many websites using Wordpress, and also built custom plugins, where applicable. Examples include L & K Roadside Service <http://landk24-7roadsideservice.com/> and The Iron Battlefield Gym LLC <https://theironbattlefieldgymllc.com/>.
- Performed data mining/lead generation for companies, both using custom scrapers, and using Mozenda.
- Performed many other small contracts to repair broken/non-functioning aspects of various websites.
- Built an epidemiological model to visualize spread patterns of infectious agents given a variety of variable inputs. The staging environment is hosted at <https://epidemiological-model-1.herokuapp.com/>.

Money Tree (Houston, TX – boot camp project)

June-August 2018

UT Austin student

- The purpose of this app is to provide users with a visual representation of cash flow trends, both now, and at future intervals. It also provides a breakdown of user expenses by category over the preceding 30 days. A user can also make a comparative analysis of the trend lines both with and without a major purchase input (car, home, boat, etc.). The comparative analysis feature provides instant data to the user relevant to the potential purchase, including monthly payment amount, total amount to be paid over loan, and total interest.
- Built using React.js, MongoDB, Plaid, Node.js, Bcrypt.js, React-vis.js, Regression.js, Reactstrap.js, Bluebird.js, Moment.js, Lodash.js, Passport.js, Swagger-express-mw.js, Validator.js, Mongoose.js, Passport.js, Jsonwebtoken.js, Chai.js, Puppeteer.js, Jest.js, Mocha.js, React-router.js, and many others.
- Conceptualized, designed, and developed the graphic displays and mathematical calculations using a weighted linear regression model inside React, and used React-vis to display that data to the user.
- Transactional balance data was not available per transaction, requiring the use of a recursive strategy to calculate data points.
- Used an enterprising manipulation of state in React to provide the user with a progressive stepping feature for all large numerical inputs.
- Plaid was used as a third-party aggregator for collection of account data.
- Secure methods and protocols were followed to ensure protection of sensitive data.
- <https://github.com/moneytrees/moneybags>

Life Planner (Houston, TX – boot camp project)

May-June 2018

UT Austin student

- A web app that provides users with data pertinent in planning for home, career, and life.
- This project was part of a collaborative effort in which my contribution was to research the available APIs, configure those APIs to parse the data for use in the app. I also built the d3.js box plot graph for displaying city climate data and wrote most of the JavaScript and jQuery for the app.
- The technologies used in the application include HTML5, JavaScript, Bootstrap, d3.js, jQuery, and Firebase.
- API calls were made to Google, careeronestop.org, numbeo.com, greatschools.org, openweathermap.org, ncdc.noaa.gov, and pixabay.com.
- Project won award for Best Overall project.
- <https://github.com/chrisjones0517/LIfEPlanner>

EDUCATION

University of Texas at Austin, Houston, TX

January 2018 – July 2018

UT Houston Coding Boot Camp – Full Stack Web Development

An intensive 24-week long boot camp dedicated to designing and building web applications. Skills learned included HTML5, CSS3, JavaScript, PHP, jQuery, Bootstrap, Firebase, Node.js, MySQL, MongoDB, Express, Handlebars.js, & React.js.

Additional learning

January 1994 – continuous

In addition to my formal training in physical classrooms at University of Memphis, Southwest Tennessee Community College, Houston Community College, and University of Texas, I have completed a plethora of computer science, mathematics, and technology-based courses on web-based platforms. I have also read dozens of books, both digital and traditional, relating to various aspects of the technology sector. In this rapidly evolving industry, I use a variety of platforms and techniques to maintain competence and relevance across many platforms and languages

INTERESTS

- Chess
- AI
- Machine learning
- Fishing/boating
- NASA
- Philosophy
- Working out / staying healthy

References Available upon Request

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