Wes Hedrick

Software Engineer

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Software engineer, systems thinker, and process improver tenaciously creating value for my employer. My life's purpose is to create tools that eliminate high-volume/low-impact tasks so that people might pursue the high-impact tasks they were made for. I love coding because it equips me to fulfill this purpose.

Software Development Skills

- JavaScript, Python, Node.js, React, Express, PostgreSQL, Sequelize, Flexbox, AWS, HTML, CSS, Debugging

Software Development Portfolio

Dine with the ISS | Dining with the ISS | Github   October 2020
- Shows the closest three restaurants to the ISS.
- Single-purpose app. Intuitive, no instructions needed. Uses two apis, Google Maps and ISS-Now, to check ISS position, initialize google map centered on ISS position, three of the closest restaurants.
- HTML, CSS, Flexbox, JavaScript, Google Maps API, Open-Notify/ISS-Now

DigitalCraftsQuizzes | digitalcraftsquizzes.com | Github |
- Full-stack quiz app with a relational database
- App that allows users to create accounts, authenticate, sign in, configure a quiz, take a quiz, save progress, and get quiz feedback. Also allows students to submit questions.
- Node.JS, Express, Sequelize ORM, Postgres, Elephant SQL, JavaScript, ES6 Template Engine, HTML, CSS

Blackjack | Blackjack | github.com/wesleyhedrick/Blackjack   October 2020
- Fully functioning Blackjack game with realistic aesthetic.
- Press "Deal" and cards swoosh to you from off-screen with CSS animations. Function-based JS and event listeners allow user to interact with dealer, view score, and–maybe–win.
- HTML, JavaScript, and massive doses of CSS

ExpressAppGenerator | github.com/wesleyhedrick/ExpressAppGenerator   December 2020
- Shell script that scaffolds an Express.JS app and configures Sequelize.
- Creates views, models, templates, and routes folders. Initializes project as Node package. Installs modules: http, session, session-file-store, path, morgan, helmet, express-es6-template-engine. Creates and writes app.js pulling in needed modules. Installs and configures sequelize. Sets up a basic route. Creates a stylesheet.
- Shell

JavaScript Drumkit | JavaScriptDrumKit | github.com/wesleyhedrick   February 2020
- Generates full spectrum of drum-set sounds when user presses keys on keyboard.
- Uses event.keyCode matched with a "data-key" attribute to determine which <audio> tag to run .play() on. If sound is playing on the specified key, the app sets audio.currentTime = 0 to mimic the effect of striking the same sound over and over.
- Audio tags, query selectors, event listeners, DOM manipulation, CSS Flexbox, JavaScript, HTML

CSS Clock | CSSClock | github.com/wesleyhedrick   February 2020
- Real clock using setInterval applied to hour, minute, and second hands rotating with transform: rotate() calculated on a 360-degree base.
- HTML, CSS, JavaScript

Education

Bob Jones University, BA, MA, MDiv   August 1997 – May 2007

DigitalCrafts | Certificate in Software Engineering | Atlanta, GA   January 2019 – May 2019
- Software engineering training program covering full-stack development including, but not limited to JavaScript, Python, React/Redux, Node.js, Express, and PostgreSQL.

Professional Work Experience

Human Resources Manager/Accounts Receivable | Pottstown, PA   May 2015 – June 2018
- Created Excel workbook to automate payroll processing. Reduced payroll processing time 50%.
- Created Google sheet to scrape fuel prices from web. Solved problem of inaccurate fuel price data.
- Created app to automatically email monthly PTO statements to employees. Reduced administrative burden because employees were now empowered with up-to-date information about their PTO.
- Created Google Sheet to translate product codes into shorthand codes for loading-dock workers. Reduced labor hours among highly-paid employees who could now delegate the task to lower-level employees who had no training on our naming system.