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OBJECTIVE:

I'm a passionate web applications developer with over 20 years of experience freelancing and contracting my experience and skills to clients. My current goal is to secure a challenging, responsible position within a full time salaried or contract environment where my specialized skills and experience will benefit my employer while allowing my professional growth to mature.

TECHNICAL SKILLS:

Client Software (Front End Development):

- **HTML** to build web pages. The **HTML DOM** to define HTML elements as objects and as an API to allow Javascript interactions.
- **CSS** to describe how HTML elements are displayed. CSS Frameworks like
- **Bootstrap, Material, Skeleton, Foundation & W3.CSS** to develop responsive, mobile-first websites.
- **Javascript** to manipulate HTML, CSS & data. This includes **VanillaJS, TypeScript, ECMAScript** features, **JSON & XML** for storing and/or transporting data, and various libraries and frameworks to simplify development, extend functionality and organize components.
- **jQuery** to connect & manipulate HTML elements in the browser via the DOM.
- **Angular** to extend HTML with data binding, declarative templates, components & dependency injection to build applications as full-featured frameworks.
- **React & JSX** to create interactive UIs. Design simple views for each state in your application, and React will efficiently update and render just the right components when your data changes.
- **Vue** to incrementally build ecosystems that scale between libraries and full-featured frameworks.
- **StencilJS** to build reusable, scalable web components libraries that integrate with React, Angular and Vue
- **508 & ARIA** to create accessible web content.
- **Search Engine Optimization** to improve the positioning of web pages in organic traffic using on-page, off-page, technical and local best practices.
- **Redux, NgRx & Vuex** to control state containers designed to help write consistent applications on top of React, Angular & Vue.
- **Express.js** to create **APIs** in Node.js web application frameworks.
- **Passport.js** to authenticate middleware for Node.js.
- **Storybook** to develop UI components in isolation for Angular, React or Vue.
- **GraphQL** to query APIs and provide them with data.
- **Grunt & Gulp** to compile SASS to CSS, optimize images, and to squash/combine file contents together.

Server Software (Back End):

- **Node.js** to write command line tools and for server-side scripting (running scripts server-side to produce dynamic web page content before the page is sent to the user's web browser).
- **PHP** to program on the and to send and get request and data from and to databases.
- **SQL (Structured Query Language)** to access databases. **MySQL** databases for relational data. **MongoDB** for **NoSQL** data.
- **Firebase.com** to develop on a **Backend-as-a-Service (BaaS)** platform that provides hosted backend services such as a realtime database, cloud storage, authentication, crash reporting, machine learning, remote configuration, and hosting for static files.
- **AWS (Amazon Web Services)** to provide on-demand cloud computing platforms and APIs.
- **Adobe Creative Suite** to create mockups and wireframes. Ability to develop those designs into responsive pixel perfect pages.
- **Wordpress, Joomla, Drupal** to manage content & extend functionality in systems
- **Visual Studio Code & IntelliJ IDEA** to develop & test code.
- **Git** to manage version-control for tracking changes in source code during software development. **GitHub** repositories to share and build collaboratively.
- **Jira** to plan, track, and release software and track bugs using agile project management.

- **Highcharts, D3.js and Google Chart** tools to create dashboards and data visualizations from JSON APIs.
- **API (Application Programming Interface)** to consume RESTful data and to custom CRUD (create, read, update & delete) user interfaces.

HIGHLIGHTS OF QUALIFICATIONS:

- Two decades of experience attacking web-based problems to create full stack solutions
- Proven ability to generate organic traffic from search engine optimization
- Strong affinity to work collaboratively to meet deadlines in fast paced environments
- Understanding of databases and how to leverage them into forward thinking applications
- Strategic insight towards e-commerce, web analytics, and social media integration
- Skillful ability to translate business goals into technical solutions; valuable team member
- Experience with Scrum Methodology and developing within Agile frameworks
- Excellent math/logic skills, brainstorming, and problem analysis resolution skills

WORK EXPERIENCE:

Hip Hop World | hiphop.world

10/20 – Present

Full Stack UI Lead

New York, NY

- Remotely managed a global team of dozens of volunteers towards the creation of an art/tech platform
- Coordinated the education of a community on web programming, artificial intelligence and cryptocurrency
- Developing a decentralized ecosystem that uses Web3, NFTs and custom content & applications
- Developed game assets using Blender and marketing assets using Adobe Photoshop & Illustrator
- Developed full stack applications for clients using React, Angular, Vue, Stencil.js & Next.js
- Developed user interface using HTML, CSS and a MySQL database
- Researching framework implementation for PHP 8, Vue, Angular 17 & React 18
- Design & implement smart contracts using Solidity, Remix IDE, Truffle, Web3.js, Ganache CLI & Node.js
- Test smart contracts using Chai assertions & Mocha with TypeScript for unit tests
- Developed Reactive Tables with AG Grid & React
- Deployed assets on Bitcoin, Ethereum, Binance & Polygon blockchains
- Developed game mechanics for a blockchain based gaming that align with the philosophy of the ecosystem
- Developed token utility to support the creation, curation and collection of content within a decentralized community
- Created strategic, organic marketing campaigns to support the growth of the brand and community

T-Mobile & Sprint | t-mobile.com

Harman International | harman.com

Trinity Globaltech | tgtus.com

11/19 – 10/20

Full Stack UI Lead

Washington, DC

- Supported a contract for our end client Sprint / T-Mobile to support their Payment Center
- Worked within an Angular 9 framework to update functionality and fix bugs.
- Tracked bugs and updated multiple repositories with fixes
- Created responsive web pages using HTML5 & CSS3 libraries
- Authentication with JSON Web Token (JWT) using Node.js
- Worked on Continuous Integration and Continuous Delivery cycles with DevOps

Department of Health and Human Services | hhs.gov

Aurotech | aurotechcorp.com

06/19 – 11/19

Full Stack UI Lead

Washington, DC

- Supported a contract for our end client at HHS to develop the Accelerate Platform.
- Created a front end using Angular & React to automate the grant proposal submission cycle.
- Created a calculator that formatted numbers, calculated totals, percentages, balances
- Created various modules based on mockups
- All data from our dashboard used AWS and saved to the blockchain
- Ran AWS Lambda functions in Node.js
- Worked on microservices architecture for DevOps.
- Led a small team of 2 other developers to complete goal-oriented tasks

- Validated data being submitted through forms
- Created UX guidelines and suggestions for the dashboard
- Updated code using Git & VS Code
- Communicated using Skype Business, Microsoft Teams & Jira

Guidehouse | guidehouse.com

Green Key Resource | greenkeyllc.com

03/19 – 05/19

Full Stack UI Lead

Washington, DC

- Supported a contract for our end client at Guidehouse.
- Created a front end using Angular & React to consume Machine Learning API endpoints
- Analyzed a government issued RFP to determine development guidelines
- Populated the API data into a Google Charts Treemap
- Programmed the Treemap to drill down and eventually triggers PrimeNG datatable
- The PrimeNG table content is relative to the click. Table clicks trigger a Company Profile
- Company profiles display specified data related to the drilled down treemap & datatable
- Filled out The Voluntary Product Accessibility Template (VPAT) for Level I, II, & III
- Served as the front end expert to make any decisions to follow the RFP guidelines
- Updated code using Git & VS Code
- Communicated using Slack & Jira
- Updated progress in meetings. We had progress updates every few hours

Capital One | capitalone.com

Artech Information Systems LLC | artech.com

09/18 – 03/19

Full Stack UI Lead

McLean, VA

- Supported a contract for our end client at Capital One
- Created credit card & landing pages using Angular, React, Typescript, VanillaJS, Bootstrap & HTML
- Prepared for a conversation to React in some modules of the website
- Used RxJS for state management in Angular to mimic how React uses Redux
- Consumed RESTful APIs in my application and manipulate the data within the view
- Utilized Adobe Experience Manager and other Content Management solutions
- Used Confluence to turn UX requirements to responsive web pages
- Optimized best practices for search engines
- Updated code using Git & VS Code
- Communicated using Slack & Jira
- Tested pages using Jasmine & Protractor
- Updated progress in daily morning scrum meetings & email summaries at end of the day

IMG-Crown | imgcrown.com

U.S. Energy Information Administration | eia.gov

03/18 – 09/18

Full Stack UI Lead

Washington, DC

- Supported a contract for our end client at the U.S. Department of Energy
- I created an interactive & dynamic US Map using jVector, RESTful APIs & Angular 5
- I created interactive & dynamic tables using D3,ag-Grid & Angular 5 to display state data
- Translated existing applications from PHP to Angular 5 w/ Typescript
- Converted raw data into user friendly information using functions and logic
- Developed reusable modules consuming data from services and displaying in views
- Utilized Angular, HTML/CSS, Git, Sourcetree to develop code

L&T Infotech | Intinfotech.com

Traveler's Insurance | travelers.com

09/17 – 03/18

Full Stack UI Lead

Hartford, CT

- Supported a contract for our end client Traveler's Insurance
- Converted JIRA stories into web solutions using HTML, CSS and KnockOut
- Created Bootstrap grids that dynamically aligned dozens of template views
- Met with non-technical managers and UX designers to translate requirements
- Created dynamic text boxes that would scale in size relative to character input

- Consumed API data from RESTful states
- Advised on search engine best practices for user interfaces

Tech Mahindra | techmahindra.com

Union Pacific Railroad | up.com

05/17 – 09/17

Full Stack UI Lead

Omaha, NE

- Supported a contract for our end client Union Pacific Railroad
- Converted technical web requirements into visual mockups
- Built wire frames into dynamic web pages using HTML, CSS, Angular, Node.js
- Integrated service requests and responses
- Optimized pages for search engines
- Generated dynamic table headers using filters & constants
- Generated dynamic table content using filters and services

AgencyQ | agencyq.com

12/16 – 05/17

Full Stack UI Lead

Washington, DC

- Developed a responsive front end for the DuPont Innovations campaign
- Used VanillaJS, Foundation, Drupal, HTML5, jQuery & CSS3 to create pages from .psd files
- Created .small .medium & .large responsive screens for each page
- Used .rem units to scale responsive text and .svg based images for all screens
- Synchronized my code with other developers using a Git repository

Mind Tree | mindtree.com

The Home Depot | thehomedepot.com

04/16 – 12/16

Full Stack UI Lead

Atlanta, GA

- Worked on site and supported a contract at The Home Depot's Headquarters
- Worked the Aurora Promotions project; a user interface to create discounted campaigns
- Created components and directives using Angular 1.7, Node.js, HTML5 & CSS3
- Created sort & filter directives and applied them to searchable records on the dashboard
- Validated forms using built-in Angular features, custom directives and regex
- Fixed bugs & created features assigned to me in Jira
- Managed code using Git & created pull requests in GitHub
- Attended daily team calls and presentations to maintain project alignment

Social & Scientific Systems | s3.com

10/15 – 04/16

Full Stack UI Lead

Silver Spring, MD

- Created an app w/ HTML, CSS, jQuery & Backbone for the National Institute of Health
- My interface displayed content queried from a database based on a user's input
- The design was created based on a series of mock ups that I turned into a functional interface
- The data was stored in models and collections while elements were hidden and shown by events

Nike, Inc | nike.com

07/15 – 10/15

Full Stack UI Lead

Beaverton, OR

- Created front end solutions using Alfresco: Document Management System
- Assessed and suggested improvements for client facing applications
- Developed web pages using HTML5, CSS3, Javascript
- Attended team meetings to update development ideas into application changes

SNI Companies | snicompanies.com

06/12 – 07/15

User Interface Developer

Washington, DC

Worked as developer on projects for various clients:

Social & Scientific Systems | s3.com

Silver Spring, MD

- Lead code development & user interface design on the Web Workbench (internal tool system)
- Created mobile first applications using Bootstrap's fluid grid system for responsive design
- Optimized web interface best practices for search engines

- Hand code responsive layouts using HTML, CSS, & Javascript frameworks
- Used Backbone, Underscore, Require, & jQuery as Javascript libraries to develop code
- Merged code using Microsoft Visual Studios Developed using LiveScript, Jade, & Stylus preprocessors and PHP
- Used data validation & output escaping to prevent cross site scripting attacks

Trio Consulting | trio-consulting.com

Woodbridge, VA

- Developed 508 compliant web pages using Wave as a validator
- Optimized web interface best practices for search engines
- Develop & maintain Drupal & Wordpress based websites
- Design promotional materials
- Managed the email and marketing automation systems
- Worked 80% remote while maintaining constant communication with my team

The Center for Applied Linguistics | cal.org

Washington, DC

- Researched and implemented new technologies & best practices
- Proofread markup language, style sheets, and code for errors
- Debugged programming errors in CSS & jQuery
- Made web pages dynamic using jQuery

Merrick Towle Communications | merricktowle.com

12/11 – 03/12

User Interface Developer

Beltsville, MD

- Converted Photoshop files into a web application using Javascript, PHP, CSS & HTML
- Read an XML file, processed the data into a pie chart & interactive US map
- The map allows a user to easily retrieve info & interact with the client's 200+ apartments
- Created a dynamic image map using Photoshop, Javascript, HTML, CSS & jQuery

Freelance Consulting

03/09 – 12/11

Web Developer

Washington, DC

- Worked with clients to translate their problems into digital solutions
- Strategized present and future technology needs and evaluated changes in technologies
- Translated UX requirements into high fidelity pixel perfect interactive prototypes
- Created custom user interfaces using Javascript
- Created wireframes with graphic designers. Converted .psd files into interactive websites
- Established online profiles for clients using Wordpress
- Setup and maintained social media accounts
- Setup personalized domain names & email addresses
- Optimized hundreds of keywords for #1 ranking in Google searches

O'Brien Garrett | obriengarrett.com

10/08 – 03/09

New Media Campaigns Manager

Washington, DC

- Developed web pages for the NAACP & other advocacy based organizations
- Advised clients on Web 2.0 strategies to improve digital communications
- Promoted client websites using SEO, SEM, & social media marketing
- Updated content and managed client relationships using a CMS called Convio.
- Hand coded HTML, CSS & JavaScript based on Section 508 standards & best practices

Equal Employment Opportunity Commission | eeoc.gov

12/05 – 10/08

Document Control Clerk

Washington, DC

- Created and managed a database to track incoming faxes using Microsoft Access
- Converted the storage system from physical files to digital documents
- Participated in daily productivity meetings; maintained government security clearances
- Used the Office Suite to create presentations & Photoshop to crop & resize images

Reggae Sound | reggaesound.com

10/02 – 12/05

Webmaster

Washington, DC

- Managed the website's e-commerce & customer relations

- Received orders, packaged products, & shipped merchandise to customers
- Updated the website's content with new merchandise
- Optimized website for searched engines; customized web pages using HTML & PHP
- Managed online community forums; vBulletin software

Digiweb Hosting | digiweb.com

06/00 – 01/02

Web Support Technician

College Park, MD

- Worked in a team environment to rapidly identify & resolve client's technical problems
- Answered 100+ customer issues by phone, email, and proprietary CRM software daily
- Assisted clients with LAMP server administration
- Remotely accessed UNIX & Microsoft web servers using pcAnywhere, Putty & FTP clients Senior Systems Programmer/Analyst
- Helped clients fix problems surrounding web content management & site maintenance
- Assisted clients with website & database migration

WORK SAMPLES:

Hip Hop World

<https://hiphop.world>

I created responsive user interface w/ Bootstrap & PHP

Accelerate – Powered by HHS

https://www.youtube.com/watch?v=MUGr-YNf_20

Capital One's – Savor Card

I created responsive layouts w/ Angular, Bootstrap & HTML using built in design standards applied throughout their website.

<https://www.capitalone.com/credit-cards/savor-dining-rewards/>

U.S. Energy Information Administration

I used Angular 5 to develop data visualizations. I created custom modules and injected 3rd party software (ag-Grid & jVector) into the modules while passing custom data to the modules from objects and services.

I created a dynamic map using jVector. I passed in the state data from a service to an object then passed it along with logic to a custom module that was injected with jVector. I also added overlays to create floating titles for small states and drew lines to connect the position with it's label. All states link to their corresponding profile page.

US Overview Map: <https://www.eia.gov/state/?sid=US>

I created dynamic tables using ag-Grid. The grids were originally built in PHP. I translated the logic into Angular 5. The grids accept data on various pages of the site using services relative to the user's request and outputs interactive tables with information that was calculated and validated on the front end using logic based on the user's requests.

State Total Energy Rankings: <https://www.eia.gov/state/>

State Profile Data Tables: <https://www.eia.gov/state/data.php?sid=DC>

GitHub

I have some Angular code samples available. The apps pull data from an API and list the results. You can choose an individual item and it will open up asynchronously populate the new view. <https://github.com/dcwebguru>

Bell Partners Property Map

I was contracted by Merrick Towle to develop an interactive map & a corresponding pie chart to reflect a client's property. I started off with a series of .psd files referencing how the finished application should function & appear. I created a database of the relevant property information and stored it in a .xml file. Then I sliced the static map out & turned it into a dynamic image that allows you to interact with each state & location to get more information on each property. I integrated Google's Visualization API to allow a pie chart to show each state's percentage of property holdings. This project required the use of HTML, Javascript, jQuery, PHP, XML & CSS. <http://www.bellpartnersinc.com/overview/locations/>

PSJD Resource Center

I partnered up with a graphic designer who gave me a layered .psd file of the intended layout. Using Photoshop, I sliced up the images and hand coded them using HTML, CSS & jQuery. http://psjd.org/resource_center

