Guhaprasaanth Nandagopal

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Personal Portfolio: https://guhaprasaanth.vercel.app/
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https://www.github.com/guhandelta | **Skype:** guhan.delta

Summary:

Versatile Front-end Developer with 5+ years of experience designing, developing, and managing complex responsive websites and internal web applications using libraries and frameworks like React JS or Flask.

Work Experience:

React JS Developer | **Discover Financial Services, Riverwoods, IL:**   **Dec 2019 – July 2020**

- Developed SPA using React JS, SASS, JavaScript/JSX, JSON, Node.js, and Ajax
- Developed a server using Python Flask with endpoints to provide data to the UI
- Worked with team in developing an interactive menu with elegant animations using D3.js

React JS Developer | **Barclay Card US, Whippany, NJ:**   **Sep 2019 – Dec 2019**

- Designed Responsive Single Page Application using React JS, JSON, SASS/SCSS
- Created routes to different pages of the application, using Express, ensuring a fast and seamless user experience.
- Worked on developing Microservices using Spring Boot and exposed them as RESTful services.
- Contributed to design and development of the UI for the Credit Card Offers Portal

Full stack Developer | **Express Scripts(Health Connect 360), Franklin Lakes, NJ:**   **Dec 2018 – Sep 2019**

- Developed SPA using HTML5/CSS3, SASS, JavaScript/JSX, React JS, Redux, JSON, Node.js, and Ajax
- Designed methods and classes to interact and dispatch data using multiple APIs to React components
- Developed web applications using JSP, JavaScript, jQuery, HTML5, CSS3 and Spring MVC Framework.
- Composed Unit Test cases for components using Jest - Enzyme for performing unit test on React components

Front End Developer | **Blue Shield of California, San Francisco, CA:**   **May 2018 – Nov 2018**

- Developed responsive UI using Angular 4/Bootstrap by binding HTML DOM to JavaScript objects.
- Created reusable components and services using Component-based architecture provided by Angular 4
- Worked with PostgreSQL to store and manage the user data over the entire application
- Utilized in-browser testing with Karma to perform unit testing of the Angular 4 applications on browsers

Cloud Developer | **Veridic Solutions, Pleasanton, CA:**   **Nov 2017 – Mar 2018**

- Designed and managed public/private cloud infrastructures using Amazon Web Services (AWS).
- Deployed Web Applications into Amazon AWS by configuring the Elastic Beanstalk application and environment.
- Worked On-Premise migration into AWS, over a dedicated connection using AWS Direct Connect
- Developed cookbooks using Chef for Deploying services on Hybrid environments, both Windows and Linux.

Front End Web Developer | **N2 Services, Jacksonville, FL:**   **July 2017 – Nov 2017**

- Implemented Angular app with CRUD features utilizing all concepts of Angular 4 i.e. Data binding, Components, Directives, in-built and user-defined directives, Routing, Observables, Forms, Pipes, Services with Dependency Injection.
- Worked on Angular Strap Framework and AngularJS Validations and used jQuery core library functions for the logical implementation part at client side for all the applications
- Collaborated with designers to create responsive Single Page Applications (SPA) on with Angular 4 Routing.

Web Developer | **Mildred Mitchell-Bateman Hospital, Huntington WV:**   **Jan 2017 – May 2017**

- Designed a responsive web interface using Bootstrap4 for viewing the website easily on any device.

- Architecting a fast, robust back-end using Python Django to record the posts and intimate the personnel about any new maintenance requests and the pre-registered maintenance dates
  - Django ORM was used here to manage all the equipment and user information, over SQL lite 3 DB

Web Developer | Stadium Sports, Huntington WV: July 2016 – December 2016
- Developed RESTful services with NodeJS Loopback Framework.
- Created Node.JS middleware application server to encapsulate modern JS widget framework.
- Developed the Front end / UI components using: HTML5, CSS3, CSS Preprocessors (such as: Sass and LESS), JavaScript.
- Made the website's UI responsive using Bootstrap4

IOT Developer | WV Aquavit, Marshall University, Huntington WV: March 2016 – May 2016
- Developed a wireless sensor network using Raspberry Pi 3, Arduino and Vernier Water pH sensor to actively report water pH value, of Ohio River, to the project admin via IBM Bluemix.

Web Developer | Recreation Center, Marshall University, Huntington, WV   July 2015 – February 2016
- Design and maintain databases using Python and developed Python-based API (RESTful Web Service) using Flask, SQL Alchemy and PostgreSQL
- Developed responsive component based UI for the application using React JS, Bootstrap.
- Developed the jQuery callback functions to implement asynchronous communication using AJAX.
- Designed and developed a horizontally scalable APIs using Python Flask

Software Developer | Adroit Technologies, Coimbatore, TN, India: September 2012 – March 2015
- Designed web interfaces for websites and web applications using Bootstrap, React JS and Angular JS/2.
- Developed web applications with frameworks like Node.js, PHP Laravel, Python Django and Ruby on Rails.
- Composed Python scripts to parse documents like XML, Excel, CSV and load the data into database.
- Developed a Rails application for the cross functional sharing data between Backend and Frontend.
- Experienced in developing single page web applications using web frameworks like Angular and React.

Web Developer | Sri Krishna College of Engineering & Technology, TN, India: November 2012 – May 2013
- Designed a responsive interface using HTML5/CSS3 and Bootstrap.
- The entire student information was stored and managed using PHP/MySQL

Personal Projects:

1) Developing an eCommerce website using Python **Django**, with React JS, **Stripe JS**, AWS and **Mailchimp**.

2) Developed **Blockchain** application using JavaScript, to create and verify a decentralized blockchain network.

3) Developed 2 **Blockchain** applications using **Python Flask** to create and maintain a **decentralized blockchain** network using Python Data Structures, **RSA Encryption** Algorithms and **Digital Signatures**.

4) Designed a Single Page Application for a coffee shop using **Gatsby JS**, React JS, **GraphQL** and **Contentful**, with a **payment gateway** to the website, using **Snipcart** to allow customers to purchase products online and hosted the application using Netlify => https://ngp-gatsby-coffeeshop.netlify.com/

5) Designed an IOT Circuit, using Raspberry pi 3, Arduino, Soil pH sensor, moisture sensor to intimate the user about watering the plant and also providing manure to the plants(*research under progress*)

6) Working on developing an eCommerce website for apparels with **Shopify Themes** and **Shopify webhooks**

Academic Research Projects:
1) Latent Fingerprint Matching Using Minutiae Based Descriptor
   A descriptor would be used to make the latent fingerprints more eminent. A sketch would made on the visible portion of the fingerprint and would be compared with the sketches of the fingerprints in the database. The ones that reach the threshold match percentage would be reported to the investigators.
   Environment: MATLAB

Technical Skills:

Programming Languages: JavaScript, Python, Ruby, PHP | **Web Frameworks**: Node.js, Angular JS React JS, Bootstrap, Laravel, Django, Flask, Rails | **Interests**: Web Designing, Web Development, IOT.

Education:

- Marshall University – Masters in Computer Science (May, 2017)
- Sri Krishna College of Engineering and Technology - Bachelors in Computer Science and Engineering (December, 2014)

Activities:

     Start my day with some Jogging and Yoga/Meditation to help me stay fit physically and mentally. A good hike amongst the woods with my friends help me rejuvenate myself and cherish my love for nature.