Guhaprasaanth Nandagopal

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LinkedIn Profile || Personal Portfolio || GitHub
Skype: guhan.delta

Summary:

Versatile Full stack Developer with 8 years of experience designing, developing, and managing complex responsive websites and web applications using JavaScript, ReactJS, NodeJS, Python, Ruby, and PHP.

Work Experience:

Sr Software Developer | FreeWire Technologies, Newark, CA: Dec 2022 – Till Date

Developing UI for the customer facing Asset Management Platform, using ReactJS, and Redux Toolkit.
- Dynamic UI using **ReactJS** improved UI's performance, with **Material UI** enhancing the UX with responsive UI.
- Managed app's state using **Redux toolkit** for a **predictable way** of handling data in UI and reduce code complexity.
- **Unit tested** & **E2E Tested UI** using **React Testing library** & **Cypress** to improve the app's reliability.
- Migrating Monolithic UI to **Micro-Frontends** with **Webpack's Module Federation** to make the UI easier to handle.

Contract Developer through Cognizant, Capgemini and Amdocs   March 2018 -Nov 2022

ReactJS Developer | Wells Fargo, Charlotte, NC:

Worked with migrating a UI for a brokerage application from JSTL/HTML5 to React JS.
- Migrating HTML to React JS utilizing **React Hooks** and the latest **ES6 features** enhanced the UI's performance, along with Material UI to provide responsiveness to the UI using to enhance app's UX over various devices.

Full Stack Developer | AT&T, Plano, Tx:

Worked on developing a Dashboard application for server utilization analytics using React JS/TypeScript.
- Responsive UI using **React JS** & **Material UI**, with dynamic visualizations using **ChartJS**, backed by **GraphQL** for CRUD operations, enabled the app to handle vast amounts of **real-time data**, faster.
- Stress testing the API's deployed over **Azure**, using **JMeter** ensured the app's capability to handle bulk requests.

Full Stack Developer | Discover Financial Services, Riverwoods, IL:

Worked with developing a Dashboard application for credit card usage analytics using React JS.
- SPA developed using React JS & Styled-Components, with menus and data visualizations using **D3.js** & **Chart JS**, greatly added to the app's performance, and reliability.
- The backend developed using **Python Flask** enabled it to be scalable and flexible to handle vast amounts of data.

ReactJS Developer | Barclay Card US, Whippany, NJ:

Worked with my team to work on the UI for the credit card portal with some latest features from React 16.8.
- Used **React Hooks** and SSR from **Next JS** to vastly improve the app performance and UX.

ReactJS Developer | Express Scripts(Cigna), Franklin Lakes, NJ:

Developed the pages to display the charts visualizing the patient data for different diseases using ReactJS.
- UI developed React JS, Unit Tested using Jest, improved UI performance in rendering various Charts.

Full stack Developer | Blue Shield of California, San Francisco, CA:

Worked on developing the Find a Doctor application, using Angular 4/TypeScript and Spring Boot.
- Angular 4 UI with Typescript & Bootstrap, unit tested with Karma enhanced the app's performance and UX.

Front End Web Developer | N2 Services, Jacksonville, FL: July 2017 – Feb 2018

Worked on developing responsive pages for some sections of the web apps using latest features from Angular 4
- Upgrading the UI from Angular 2 to Angular 4, using the new features from Angular 4 improved the app's UX.

Graduate Assistantship at Marshall University: **March 2016- May 2017**

Worked for WV state government project and a project for a WV state hospital as a graduate assistant.

Web Developer | Mildred Mitchell-Bateman Hospital, Huntington WV:

Developed responsive web app for equipment management using Bootstrap and Python Django.

   • Utilized media queries from Bootstrap4 for a responsive UI, to improve the app's UX across various devices.

   • Handed CRUD operations on SQL Lite 3 DB using Django ORM to improve the CRUD efficiency of the app.

IOT Developer | WV Aquavit, Marshall University, Huntington WV:

Developed IOT circuit to measure water pH value of Ohio River water and upload it into IBM Bluemix for analytics.

   • 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.

Academic Research Projects:

  1) **Latent Fingerprint Matching Using Minutiae Based Descriptor**
  A descriptor would be used to make the latent fingerprints more eminent, to make a sketch on the visible portion of the fingerprint for comparing it with the sketches of other fingerprints in the database. The ones that reach the threshold match percentage would be reported to the investigators.
  Environment: MATLAB

Personal Projects:

  1) Working on developing an eCommerce website using Python Django, with React JS, Stripe JS, AWS and Mailchimp.
  2) Developed blockchain apps using Python Flask to create and maintain a decentralized blockchain network using Python Data Structures, RSA Encryption Algorithms and Digital Signatures.
  3) Designed SPA with Headless CMS for a coffee shop & restaurant using Gatsby/React JS, GraphQL and Contentful, with a payment gateway, using Snipcart and hosted it over Netlify. [Coffee Shop](#) **||** [Restaurant](#)

Technical Skills:

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

Education:

 • Campbellsville University – Masters in IT Management (May 2022)

 • Marshall University – Masters in Computer Science (May 2017)

 • Sri Krishna College of Engineering and Technology - Bachelors in Computer Science and Engineering (Dec 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 helps me rejuvenate myself and cherish my love for nature.