

SURAKSHITHA SURESH

Full Stack Developer

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Professional Summary

- Over 3+ years of experience in developing and designing user friendly, cross browser compliant websites, and User Interface (UI) applications using JavaScript, React, Redux, Angular, Typescript, Node.js, Java, MERN and MEAN stack.
- Experience building back-end REST and SOAP APIs. Experience with AWS services and tools namely EC2, ELB, ECS, S3, Route53, CloudTrail, CloudFront and other services of the AWS infrastructure.
- Hands-on experience using React.JS with ES6 features to develop reusable components with Flux and Redux-thunk to enable predictable state management and improve maintainability of the code.
- Extensively worked with web application development using MEAN/MERN stack, using React.js or AngularJS for client side, Node.js/Express for server side, MongoDB for data storing.
- Proficient in CI/CD build and deployment processes using YAML, Docker, Jenkins for efficient & automated software delivery.
- Developed MEAN Stack applications using AngularJS, Node.js, Express.js and MongoDB.
- Proficient in RDBMS concepts and worked with MySQL, Microsoft SQL (MS SQL), PostgreSQL, and NoSQL databases such as MongoDB.
- Created websites in HTML, CSS, PHP and JavaScript & using the back-end APIs Express.js and Node.js
- Developed Object oriented code and worked with JavaScript validation & database development skills like MySQL, MongoDB.
- Interacted with users and Business stakeholder in resolving technical issues pertaining to the applications.
- Highly motivated, reliable analytical problem solver and trouble shooter with strong attention to detail.
- Experience in Angular 4 with implementing typescript, components, two-way data binding, services, dependency injection, directives, pipes, routing for the User Interface (UI).
- Excellent interpersonal abilities, communication skills, time management and team skills.
- Familiarity with business sectors such as pharmaceutical, life science, e-commerce (CAD/CAM), enabling the development of tailored solutions to meet industry-specific needs.

Experience

Full Stack Developer

January 2023 to Current

Henry Schein - CA, USA

- Created static responsive prototypes in HTML, CSS, Media Queries and JavaScript for different UI page such as login, registration, application, and dashboard.
- Implemented core features of AngularJS framework such as dependency Injection, Data-binding, Filters, Directives, Templates, Services and Deep Linking.
- Built a highly scalable, low-latency Node-JS API Gateway to interact with MongoDB database with JSON.
- Used Grunt for build tool for configuring tasks, Jasmine for Unit testing used CSS selectors for condition based styling and pseudo-classes to add some special effects to selectors.
- Analyzed application performance and optimized it by 15% through efficient refactoring and lazy loading. Implemented Node.js as a server-side proxy to optimize response time and improve overall performance by reducing server load.
- Developed single page application by using Angular backed by MongoDB and NodeJS.
- Created custom Directives and linking functions to control the application logic.
- Used various features in AngularJS like data binding, routing, custom filters, custom directives to meet various customized requirements.
- Created the Node JS EXPRESS Server combined with Socket.io to build MVC framework from front-end side AngularJS to back-end Database, in order to provide broadcast service as well as chatting service.
- Used the Mongoose library and Node JS for implementation of Restful services and configuring to MongoDB.

Full Stack Web Developer Intern

June 2022 to August 2022

Xplicit Computing, Inc - Santa Clarita, CA, USA

- Collaborated with CEO and CTO for end-to-end design & development of responsive, optimized, cross-browser compatible company website.
- Integrated C++ solutions with PHP client application to streamline product demo and save 6 hours on average. Integrated stripe payments API to yield a 20% surge in sales conversion rates.
- Performed automated testing on the front end using Jasmine and enzyme frameworks. Worked with Jasmine test framework for testing Angular components.
- Used SMTP mail class of PHP for the users to send mail with suggestions. Extensive use of PHP Mailer class.
- Involved in Writing JQuery based Ajax Requests using jQuery. Get (url, data, callback, type) or jQuery. Ajax (options) and jQuery. Post (url, data, callback, type) and jQuery. Get (url, data, callback, type).
- Written functional php unit test cases for Data Layer, and Search server classes using XML, YAML, HTTP, JSON, and MongoDB.
- Worked on community modules to build the UI using Angular.js to build views and AJAX (using jQuery) to consume REST API.

Full Stack Developer

August 2018 to July 2021

Cognizant Technology Solutions Pvt. Ltd - Bengaluru, India, India

- Increased visibility of their site/brand by designing and developing a static website using various Front-end tech such as HTML, CSS, Bootstrap, JavaScript and React.
- Used CSS grid, CSS flexbox, and Media queries to do responsive web design that fits all users and devices from desktop to tablet and mobile phone.
- Incorporated RxJS with Http Client Module for all asynchronous backend requests (GET, POST, PUT, and DELETE).
- Improved existing software by debugging and testing, as well as adding necessary components/objects/methods.
- Used react-data grid to populate the dynamic data within the table. Used React-bootstrap and SASS for handling responsiveness in the application and parse correct styles on prop changes.
- Used React JS to make webpages rendering faster using virtual DOM and took part in testing the application components using JEST, React test utils and developed http RestAPI calls.
- Used Node package manager (npm) for managing the Node.js modules like Watchify, Babelify, Browserify, Http-Fetch etc. and package.json for managing the application required module dependencies.
- Involved in developing application using PostgreSQL and wrote SQL and PL/SQL queries to test the data that was sent through the external REST API calls.
- Worked on Restful web services using Node.js with ExpressJS and implemented mock services in Node.js with help of modules using Node.js server.

- Created CI/CD pipelines using Docker to build and containerize deployments to multiple environments. Setup full CI/CD pipelines so that each commit a developer makes will go through standard process of software lifecycle and gets tested well enough before it can make it to the production.
- Deployed application on Amazon EC2 instances and utilized Amazon S3 for efficient data storage. Gained exposure to cloud computing principles, scalability, and infrastructure management.
- Worked with unit testing of JavaScript applications using Jasmine, Jest, enzyme and Integration test.
- Integrated JMeter with continuous integration (CI) tools like Jenkins to automate performance testing as part of the CI/CD pipeline.

Core Qualifications

Front-end technologies

JavaScript/ES6, jQuery, TypeScript, Angular, React.js, Vue.js, Redux, HTML5, CSS, Webpack

Back-end technologies

Java, Python, Node.js, Express, PHP, GraphQL, AWS

Database technologies

MS SQL, MySQL, PostgreSQL, MongoDB (Atlas)

Tools/Others

Git, JIRA, Confluence, Lucid Chart, CircleCI, Key Cloak, Froala, Postman, Docker

Methodologies

SCRUM, Kanban, Extreme programming.

Education

Master of Science: Computer Science, May 2023

San Diego State University - San Diego, USA

Bachelor of Engineering: Information Science, June 2018

JSS Academy of Technical Education - Bengaluru, India

Projects

Washington Real-Time Train Tracker: Visualizing Live Train Data, San Diego State University, USA

- Developed an interactive and dynamic single page application (SPA) using React/JavaScript/WMATA open APIs for Washington, D. C's Metropolitan area deployed to Heroku providing a seamless train tracking experience. Live details using React components with filter options and visual distinction for different criteria.

Rental House Price Analysis and Prediction, San Diego State University, USA

- Pandas/Spark application using Jupyter Notebook to analyze housing rental prices between San Francisco and San Diego based on property's amenities. Used machine-learning algorithms to predict rents and comparatively analyze model performances. Accuracy ~85%

Simple Inventory Management System, San Diego State University, USA

- MERN application to create and manage inventories. Scaled using NoSQL MongoDB with Mongoose ODM for data persistence. Implemented async/await and promises to maintain the application flow. Built session management and validation using Express and JWT tokens and used GraphQL for API integration.

Car Rental System - Go Cars, San Diego State University, USA

- Built a web application using PHP and MySQL with complete functionality for car listing and rental bookings.

Automatic Number Plate Recognition for School, JSSATE, India

- Built Python neural network model using deep learning to surveil on-campus vehicular traffic. Implemented billing system for visitor parking by distinguishing permitted (students & staff) from non-permitted vehicles. Accuracy ~78%.