NAVYASREE PUTLURI

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PROFILE SUMMARY

- Extensive experience on MVC architecture and using React, Angular Framework for creating Single-Page Applications (SPA).
- Developed complex functions on front-end based on React, Angular, Material UI.
- Extensive use of AngularJS for developing the SPAs (Single Page Applications) for internal application/tool & involved designing in web pages using HTML 5, CSS3, JavaScript, Bootstrap, SASS, LESS, React.js, Redux, Flex, Mongo DB.
- Created Angular Directives, Components, Pipes, Injectables across the whole system, such as build the custom filter and the main assortment dashboard.
- Expert in designing User Interface applications and integrating highly transactional and scalable applications using React, Angular, Angular 8, HTML, CSS, JavaScript, TypeScript, jQuery, AJAX, and JSON.
- Proficient in modern JavaScript libraries and frameworks, including React js,Angular.js, Node.js, Express.js, Backbone.js, and Dojo toolkit.
- Leveraged expertise in IntelliJ IDEA and Android Studio to maximize productivity in app development.
- Extensive experience using open-source libraries to streamline development while maintaining a focus on robust design patterns and clean code architecture.
- Solid experience with Material UI, React, Angular Material library, and Redux Toolkit.
- Seasoned UI Developer with over 4 years of experience specializing in designing and developing user-centric, scalable web applications using Angular frameworks.
- Extensive expertise in building and maintaining component libraries and reusable codebases to ensure design consistency and scalability across large projects.
- Proficient in collaborating cross-functionally with stakeholders to align business requirements with user-focused design and development.
- Skilled in integrating RESTful APIs and enhancing data-driven user interactions.
- Strong advocate for adopting and applying design systems like Angular Material and Bootstrap for modern UI/UX.
- Demonstrated success in leading initiatives to improve codebase efficiency and fostering best practices among teams.
- Experience in end-to-end project lifecycle management, including design, development, testing, and deployment, with a focus on responsive design.
- Well-versed in RxJS for handling asynchronous data and using observables for performance optimization.
- Expertise in maintaining high code quality standards through code reviews and automated testing frameworks.
- Deep understanding of the UI design process and deliverables throughout the development lifecycle.

EDUCATION

GRAND VALLEY STATE UNIVERSITY, GRAND RAPIDS   **Aug22 – April 2024**

Master of Science (M.S) in Applied Computer Science

Relevant Coursework: Principles of database design, Information management and science, Database Management System, Web Architecture, Mobile Application Development, Cyber Security, Data Security and Privacy, Python, System analysis and design, Knowledge discovery and data mining, Distributed Systems, Fund. of Software Practice,

JAWAHARLAL NEHRU TECHNOLOGY UNIVERSITY KAKINADA, INDIA   **Aug 2017 – Aug 2021**

Bachelor of Technology (B.Tech.) in Computer Science and Engineering

Languages	Java 8/11 /J2EE, C, C++, SQL, PL/SQL, JavaScript, TypeScript, HTML5, CSS3, C++, SQL, jQuery
Frameworks/Libraries	Spring, Hibernate, MEAN Stack, Angular (2+ to 15), ReactJS, NodeJS, Angular Material, Bootstrap, RxJS
Database	SQL server, MySQL, NoSQL, Oracle, DB2
Ide and Tools	VS Code, Angular Command Line Interface, NetBeans, Edit Plus, Dreamweaver, Sublime text, Eclipse, Adobe Dreamweaver, Smartgit, Spring Suite, IntelliJ Idea, Jira, Figma, Adobe XD, Sketch, Axure
Version Control	SVN, CVS, Version Control, Git, GitHub, Bitbucket
Debugging Tools	Bugzilla, IE Tester, Firebug, Chrome Inspector, Jasmine, Karma, Protractor, Selenium, JUnit
Web Technologies	HTML/HTML5, XML, AJAX, DOM, CSS/CSS3, Bootstrap, Django, JSP, Ajax, NodeJS, Express, Flask JavaScript, Java, ReactJS, AngularJS, Angular 2.0 and above
Methodologies	Agile, Waterfall
Other Skills	Responsive Web Design, API Integration, Design Systems

PROFESIONAL EXPERIENCE

Syneos health   San Antonia, TX   **April 2024 -Present**

Role: Software Developer

- Built responsive and dynamic web applications using React, leveraging reusable components and state management tools like Redux.
- Implemented optimized rendering techniques and performance improvements using React Hooks and memoization strategies.
- Developed and led projects using React creating highly reusable components that adhered to company guidelines and ensured scalability.
- Used Git for version control and Jenkins for (CI/CD)continuous integration and deployment.
- Designed and maintained comprehensive component libraries, boosting team efficiency and maintaining visual consistency.
- Integrated RESTful APIs to streamline communication between the client and server, enhancing user data interaction.
- Worked in close coordination with UX/UI teams to refine designs and translate user research findings into actionable development solutions.
- Conducted in-depth code reviews and provided mentorship to junior developers, ensuring high-quality code and adherence to standards.
- Proficient in Python programming with experience in web development ,data analysis and machine learning.
- Developed scalable Python applications for optimizing performance and integrating with various APIs and databases.
- Strong foundation in Python data structures, algorithms, and object-oriented programming, with a focus on writing clean, efficient code.
- Proficient in cloud-based solutions, particularly on platforms like Azure, to deploy and manage scalable applications. Experienced in leveraging ASP for dynamic and secure web application development.
- Hands-on experience in web application development using Ruby on Rails, with a strong focus on implementing efficient solutions. Skilled in using XSLT for XML transformations to streamline data handling and integration processes.
- Designed and developed visually appealing and consistent user interfaces using Tailwind's utility-first CSS framework.
- Integrated Tailwind with frameworks like React and Next.js to streamline development and maintain design consistency.
- Participated actively in Agile sprints and facilitated sprint reviews, driving continuous improvement.

- Utilized GitHub and JIRA for seamless version control and project tracking.Worked with modules like MongoDB and mongoose for database persistence using Nodejs to interact with Dynamodb.
- Created customer service management Security Filter, Searching, and Service Reference pages using HTML5, CSS3, Bootstrap, and communicated with the backend through RESTful web services.
- Proven proficiency in both languages for software development.
- Hands-on experience with libraries like OpenCV, TensorFlow, PyTorch, or Scikit-learn.
- Experience with efficient, modular, and maintainable code design.
- Implemented an asynchronous, AJAX and jQuery UI components-based rich client to improve customer experience.
- Used Bootstrap grid system to achieve a responsive web design.
- Developed UI panels using HTML5, CSS, JavaScript, and jQuery.
- Developed interactive dashboards and reports in Power BI to provide actionable insights for stakeholders.
- Developed graphical user interfaces by using JSP, JSON, HTML5, CSS3, JavaScript/jQuery, and AJAX calls.
- Implemented web page responsive design using Bootstrap.
- Inspected and debugged front-end code with FireBug.
- Used JIRA for project management, tracking, and monitoring errors.
- Developed test cases and performed unit tests using the JUnit Framework.
- Used GitHub for code repository and version control.
- Built code using Eclipse and deployed it using JBoss Fuse.
- Painted UML including Use case diagram, Class diagram, Sequence diagram, and Data flow diagram.
- Written Form beans for the UI form validation and Action classes for the application flow.
- Implemented user input validations using JavaScript and jQuery.
- Involved in the full software development life cycle of the project from analysis and design to testing and deployment.

Grand Valley State University   **Aug 2022 - April 2024**

Role: Graduate Research Assistant

- Applied Computer Science Accreditation Graduate Assistant
- Gathered and analyzed requirements, translating them into User Requirement Specifications and Functional Requirement Specifications.
- Utilized React to develop responsive and dynamic user interfaces.
- Produced content pages with CSS layout and style markup presentations in React.
- Implemented interactive features using TypeScript methods and properties.
- Designed and implemented reusable components using React and React Material.
- Leveraged React Material and other libraries to create rich user interfaces.
- Converted reusable React components into NPM packages and deployed them as needed.
- Developed modules of the application, handling front-end logic using Angular, TypeScript, HTML, CSS, and integrated with MySQL databases.
- Implemented PL/SQL error handling, exception management, and logging frameworks.
- Worked with Oracle SQL Loader to load data from external files into Oracle tables efficiently.
- Performed database tuning, including optimizing SQL queries, analyzing execution plans, and adjusting indexes.
- Managed user roles, permissions, and data security within Oracle database environments.
- Conducted data migration and integration between Oracle and other enterprise systems using PL/SQL scripts.
- Expertise in backend technologies including Hibernate, Spring, EJB, Ajax, Java Beans, JNDI, JMS, Java Mail, XML, and Sockets, using IDEs such as Eclipse for Angular development.
- Experience in deploying and managing applications on Web/Application Servers like IBM WebSphere, Apache Tomcat, and JBoss.
- Developed testing environments and wrote unit tests using Zest for React applications.
- Debugged applications using browser developer tools to manipulate the DOM and resolve issues efficiently in React.
- Collaborated closely with QA teams to address bugs and resolve production issues promptly in React projects.
- Utilized Git for project management, version control, and collaboration across React development teams.
- Developed Functional Requirement Documents based on user requirements to guide React application development.

Corewell Health   **May 2023 – Aug 2023**

Role: software developer (**Internship**)

- Utilized Ajax effectively for pagination and client-side events like quick search.
- Created web designs using HTML, CSS, and JavaScript, focusing on Table-less Design for improved positioning.
- Implemented DOM-based interactivity to reprogram selected links, adhering to WCAG standards for HTML and XHTML and W3C standards for CSS.
- Developed CSS style sheets for gradient effects, page layouts, navigation, and icons, following industry best practices and standards.
- Built a fully functional prototype application using JavaScript, Angular, Redux, and Angular Material, connecting to a RESTful server on a different domain.
- Developed RESTful APIs using ASP.NET Core, implementing middleware for logging, authentication, and authorization.
- Integrated Entity Framework Core for database operations, optimizing queries with LINQ and handling migrations.
- Secured applications using JWT, OAuth2, and implemented role-based access control (RBAC) with policy-based authorization.
- Built microservices using .NET Core, leveraging message queues like RabbitMQ for inter-service communication and optimizing performance with caching mechanisms such as Redis.
- Optimized web applications for cross-browser compatibility, ensuring consistent performance across different platforms.
- Utilized Angular and Angular Material for screen design and development, ensuring seamless user experiences.
- Analyzed, designed, developed, integrated, and tested application modules within a Scrum process framework.
- Maintained loose coupling between layers, publishing the business layer as services and injecting necessary dependent components using Angular Services for state management.
- Utilized Git for version control and Jira for defect tracking.
- Improved code quality and scalability by integrating TypeScript in web applications, ensuring type safety and reducing runtime errors.
- Collaborated with designers to transform Figma mockups into pixel-perfect, responsive web components.
- Used Figma for rapid prototyping and iterative design reviews, ensuring alignment with business and user needs.
- Developed reusable, strongly-typed components and libraries to enhance productivity across projects.
- Enhanced client-side functionality using JavaScript and TypeScript, ensuring optimal user experience.
- Created prototypes using Figma and Adobe
- \ XD, gathering feedback from stakeholders to fine-tune UI/UX design.
- Implemented API integration strategies to optimize data retrieval and management within the front-end.
- Worked with React services and state management solutions like Redux to ensure efficient data flow.
- Enhanced application security using JWT and OAuth2, adhering to best practices for authentication and authorization.
- Participated in Agile development cycles, contributing to sprint planning and product demonstrations.
- Debugged and tested code using Chrome Inspector and Jasmine/Karma, ensuring robust application functionality.
- Model output quality by refining training datasets and identifying key linguistic inconsistencies.
- Conducted linguistic reviews on code comments and annotations to ensure alignment with grammatical and syntactical best practices.
- Enhanced model performance by adjusting prompt engineering and refining evaluation criteria for generated code.

Auccupia Online Private Services Limited, INDIA   **Jan 2021- Aug 2022**

Role: Frontend Developer

- Developed and maintained web applications for Confidential, concurrently managing projects in React JS and Angular.
- Implemented Redux for global state management in complex applications, ensuring predictable and scalable application states.
- Optimized Redux workflows using middleware like Redux Thunk for efficient handling of asynchronous actions.
- Utilized React JS, Node JS, HTML 5, CSS3, and Typescript for BAREMETAL web application, ensuring standards compliance and efficient functionality.
- Delivered fast and SEO-optimized web applications using Next.js, including server-side rendering (SSR) and static site generation (SSG).
- Utilized dynamic routing and API routes in Next.js to implement efficient, scalable backend solutions.
- Conducted manual and automated cross-browser testing to identify and resolve layout and functionality issues.
- Used tools like BrowserStack for comprehensive cross-platform testing on mobile and desktop devices.

- Designed and implemented complex, scalable mobile applications with a strong focus on data structures and algorithms to optimize performance.
- Developed Android applications utilizing Java, Kotlin, and the Android SDK, with advanced UI design including fragments, custom view components, and robust navigation patterns.
- Gained extensive experience with the Android application lifecycle and adept at leveraging its features to improve app efficiency and reliability.
- Conducted snapshot tests using enzyme to ensure robust functionality in React JS applications.
- Designed, developed, and maintained Confidential's internal application "ENCORE: SEARCH & SUPPORT: SERVICE" using Angular, Node JS, HTML 5, and CSS 3.
- Developed dynamic user interfaces using JavaScript and jQuery, improving the responsiveness and interactivity of web pages.
- Refactored legacy jQuery code to modern JavaScript frameworks such as React to improve maintainability.
- Implemented observables in Angular to manage data efficiently, employing array-like operations for parsing, modification, and maintenance in Angular 4.
- Developed single-page applications (SPAs) using React, effective React application management.
- Wrote comprehensive unit tests using Jasmine and Karma for React applications, ensuring reliable functionality.
- Automated functional testing using Selenium and Protractor, integrating all automated test cases into CI/CD pipelines using Jenkins.
- Created reusable and modular UI components, which improved project maintainability and scalability.
- Conducted cross-browser and cross-platform testing, ensuring the application worked seamlessly across multiple devices.
- Leveraged React Router Router Module for efficient navigation and dynamic content rendering.
- Automated testing with Selenium and Protractor to validate user interactions.
- Migrated legacy codebases to modern React frameworks, significantly enhancing app performance.
- Collaborated with product teams and stakeholders to gather requirements and inform design choices.
- Maintained version control and facilitated code reviews to uphold coding standards and efficiency.
- Deployed and monitored cloud-based applications on AWS, Azure, and GCP, ensuring high availability and fault tolerance.
- Used Terraform and Kubernetes to automate cloud infrastructure provisioning and management.
- Ensured secure communication and data protection in embedded systems through proper security stack configuration.
- Designed and implemented server-side RESTful web services using JavaScript (JS), facilitating client-server communication (Node JS) using JSON.
- Collaborated with cross-functional teams to define, design, and deliver new features, ensuring alignment with business objectives and technical requirements.
- Wrote clean, maintainable, and efficient code while following best practices; actively participated in code reviews, providing constructive feedback to improve code quality and team knowledge-sharing.
- Managed deployment processes for every functionality iteration across different environments like Staging, Pre-production, and Production.
- Used IBM DOORS and JAMA for managing, documenting, and tracing software requirements.
- Ensured alignment between business needs and technical specifications through structured requirement management

ACADEMIC PROJECTS

Online Auction Application   **April 2024**

- Created an Online Bidding Platform using Reactjs, Typescript Js, HTML, CSS, Material UI, ExpressJS, NodeJS, Mongoose, MongoDB, SNTP, Node-Corn, Node-Mailer,

Calculator Application   **June 2023**

- Created a Mobile application calculator using Reactjs, JavaScript, HTML, and CSS.
- You can calculate distance, time, and mathematical problems with this calculator.

Pet Care Application   **June 2023**

- Developed a pet care application for pet parents who have multiple or single pets to take care of and made it easy by having features like a calendar, task creator, and buying necessary things for pets, pop-up notification reminder.

- Developed this application using Reacts, HTML, and CSS.

Restaurant Application   **April 2023**

- Created a visually pleasing and attractive, very interactive user-friendly restaurant website to order food from a named restaurant.

- Technologies used to create this project are Reactjs, HTML, CSS, and open libraries.

My university webpage   **April 2023**

- Created a web and mobile application of a web page for a university using Reactj s, node js, and Mern Stack.

- It has several different web pages liked to it like students, faculty, about page, etc all liked together and making it as a real-time dynamic web page.

Social Media Database   **Nov 2022**

- Created a social media database using MySQL basic structure for a social media database that can be easily connected to a frontend interface as part of this project. Manage the data of multiple users, their followers, interests, and public activity on the social media platform.

- demonstrated a clear description of the connection and interrelationship between various social media activities using our SQL query.

Flight Ticket Booking   **Aug 2022**

- Small-scale Project on Online Flight ticket booking.
- The basic idea is that customers can get their tickets reserved online.
- It enables flight tickets to set up online portals, and customers to browse through various destinations at any date they want and book tickets online.
- Technologies used: React js, HTML, CSS, JavaScript.

Android Fitness App development   **Dec 2022**
- It is used to provide the user with instructions and examples of one or more types of exercise, physical activity, nutritional programs, or some other fitness topic.
- Technology used: React JS, Gatsby, HTML, CSS.

Prediction of Covid-19 Cases Using Machine Learning Algorithm   **May 2021**
- In this Project, we used different algorithms in order to predict which algorithm is best suitable for detecting the genetic disorder.
- Technologies used: NumPy, Pandas.
- Algorithms Used: Random Forest, Decision Tree, Naive Bayes Classifier, PCA and K-nearest algorithm

Face Detection Using Python   **Feb 2020**
- Analyzed the random messages and then encrypted using Caesar cipher and then the message is embedded into the image.
- This project will help to transmit the message confidentially.
- Method used: LSB substitution, PIL/Pillow, NumPy, Pandas
- Technology: Python