

Dasavanth Reddy Theramreddy

Software Developer

SUMMARY

Innovative Software Developer with experience in developing high-performance web applications with clean UI and responsive design. Skilled in both front-end and back-end technologies, with a focus on creating seamless user experiences. Proficient in React.js, Node.js, and various database technologies, with a strong background in UX design principles.

CORE COMPETENCIES

- **Full Stack Development:** Developed high-performance web applications with clean UI and flash response time, ensuring seamless inventory and pricing management across multiple platforms using React.js, Tailwind CSS, and MongoDB.
- **UX Design:** Created intuitive user interfaces and experiences at University of Maryland Baltimore County, focusing on user-centered design principles and accessibility standards to enhance user engagement.
- **Front-End Development:** Implemented responsive, user-friendly interfaces at Wipro, improving load time efficiency and enhancing user experience through A/B testing and usability analysis.
- **Project Management:** Led the development of multiple projects including the Inventory Management Web Application, ensuring timely delivery and effective coordination between technical and non-technical stakeholders.
- **Technical Innovation:** Built advanced applications like VORPAL using React.js, Django, PostgreSQL, WebSockets, and GraphQL, enabling offline gameplay and cross-platform synchronization.
- **Mobile Development:** Created the Grocery Application using Kotlin and JavaFX, integrating real-time price comparison features and delivering an intuitive user experience on Android platforms.
- **AI Implementation:** Developed an NLP-powered chatbot for healthcare data analysis, applying tokenization, stemming, lemmatization, and vectorization techniques with Python, NLTK, and Scikit-learn.

- **State Management:** Designed scalable front-end applications with efficient state management using React.js, React Router, and Redux, enhancing overall user experience and application performance.
- **Database Architecture:** Implemented and optimized database solutions using PostgreSQL and MongoDB, ensuring data integrity and efficient query performance across applications.
- **API Integration:** Developed systems with RESTful APIs, GraphQL, and authentication protocols (OAuth, JWT), enabling seamless third-party integrations and secure data exchange.

TECHNICAL SKILLS

Expertise	User-Centered Design, Process Optimization, Workshop Facilitation, Design Thinking, Accessibility Standards (WCAG 2.1), Usability Testing.
Strategy	Roadmap Definition, Prioritization, Trade-Off Analysis, Product Audits, Competitive Analysis, User Research Methods, Data-Driven Decision Making.
Design	Prototyping (Low/High-Fidelity), Wireframing, User Flows, Interaction Design, Information Architecture, Responsive Design, Mobile-First Design, User Interface Design.
Programming Languages	JavaScript (JS), TypeScript (TS), Java, Python, SQL, Node.js, Express.js, Django
Front-End and Back-End	React.js, Next.js, Tailwind CSS, HTML, CSS, SASS/SCSS, Redux, JavaFX, Bootstrap, WordPress, Webflow
Soft Skills	Strategic Communication, Stakeholder Collaboration, Agile/Scrum Methodologies, Team Leadership, Problem Solving, Time Management.

PROFESSIONAL EXPERIENCE

Scobin

Full Stack Developer | Baltimore, MD

Jan 2025 – Present

Project Summary:

As a Full Stack Developer at Scobin, I am leading the development of a high-performance web application focused on inventory and pricing management. This role involves creating a seamless user experience with clean UI and flash response time, while ensuring robust backend functionality for business operations.

Key Responsibilities:

- Developing a high-performance web application with a clean UI and flash response time, ensuring seamless inventory and pricing management across multiple stores.
- Building with React.js, Tailwind CSS, and MongoDB, optimizing frontend responsiveness and backend scalability for enterprise-level operations.
- Integrating Payload CMS to enable non-technical store managers to update inventory, manage pricing, and configure settings effortlessly via an intuitive admin dashboard.
- Implementing real-time updates using Web sockets for synchronized inventory tracking across all stores, ensuring data consistency and accuracy.

Environment:

The project utilizes modern web development technologies including React.js for frontend, MongoDB for database management, and Tailwind CSS for styling. Development follows agile methodologies with continuous integration and deployment practices to ensure rapid iteration and feature delivery.

UMBC

UX Designer, Research Assistant | Baltimore, MD

Jun 2023 – Dec 2024

Project Summary:

As a UX Designer/Developer and RA at UMBC, I focused on creating intuitive digital experiences for university applications, combining back-end web development expertise with user interface prototyping. This dual role allowed me to bridge the gap between technical functionality and user-centered design principles.

Key Responsibilities:

- Led back-end web development initiatives for university digital platforms, ensuring robust functionality and data management.
- Created user interface prototypes that enhanced the overall user experience for students, faculty, and staff.
- Designed and implemented responsive interfaces that improved accessibility and usability across university applications.

- Collaborated with cross-functional teams to align technical capabilities with user needs and institutional requirements.
- Conducted user testing sessions to gather feedback and iterate on designs for continuous improvement.

Environment:

The work was performed in a remote setting using industry-standard design and development tools. Projects followed educational institution guidelines while incorporating modern UX/UI practices and web development frameworks.

Wipro

Software Engineer | Chennai, India

April 2022 – Nov 2022

Project Summary:

As a Software Engineer at Wipro, I focused on developing and optimizing user interfaces for client applications, with an emphasis on performance, usability, and search engine optimization. This role involved implementing responsive design principles and conducting extensive user testing to enhance overall product quality.

Key Responsibilities:

- Developed and implemented responsive, user-friendly interfaces, significantly improving load time efficiency across multiple client platforms.
- Enhanced user experience by conducting A/B testing and usability analysis, resulting in measurable improvements in user engagement metrics.
- Refactored front-end components using React.js and Tailwind CSS, improving code maintainability and performance.
- Applied search engine optimization (SEO) techniques to improve web visibility and search rankings for client websites.
- Created wireframes and prototypes to visualize design concepts before implementation, ensuring alignment with client expectations.

Environment:

The projects were executed in an enterprise environment using modern front-end technologies and frameworks. Work was conducted within agile development cycles, with regular sprints and stakeholder reviews to ensure continuous improvement and client satisfaction.

PROJECTS

VORPAL

Web Application | VIT

Project Summary:

VORPAL is an innovative web application that enables offline gameplay without requiring the game engine through Game Cache Files (GCFs). The platform provides optimized performance and cross-platform synchronization capabilities, supporting third-party integrations for enhanced functionality.

Key Responsibilities:

- Game Cache Files (GCFs) technology enabling offline gameplay without requiring the game engine, improving accessibility and performance.
- Optimized performance architecture using React.js, Django & PostgreSQL, WebSockets & GraphQL for responsive and efficient operation.
- Cross-platform synchronization via RESTful APIs, WebRTC, and cloud-based save states, ensuring consistent user experience across devices.
- Third-party integration support via SDKs and Twitch API for game streaming, expanding platform capabilities and user engagement options.

Technologies:

React.js, Django, PostgreSQL, WebSockets, GraphQL, RESTful APIs, WebRTC, Cloud Services, SDKs, Twitch API

Flash React

Scalable Front End Application | UMBC

Project Summary:

Flash React is a dynamic and scalable front-end application developed using React.js, focusing on modular components and efficient state management. The application demonstrates advanced implementation of React Router and Redux for enhanced user experience and data management.

Key Responsibilities:

- Modular component architecture and efficient state management, creating a dynamic and scalable front-end application.
- Structured navigation system implemented through React Router, enhancing the overall user experience and application flow.
- Sophisticated state management using Redux store with multiple reducers to effectively manage user data and shopping cart details.

Technologies:

React.js, Redux, React Router, JavaScript, HTML5, CSS3

Grocery Application

Android Application | VIT

Project Summary:

The Grocery Application is a mobile solution that allows users to access nearby

supermarkets and purchase items by comparing prices from various locations. The app features real-time price comparison functionality and an intuitive user interface for seamless shopping experience.

Key Responsibilities:

- Streamlined access to nearby supermarkets, allowing users to compare prices and purchase items efficiently.
- Real-time price comparison feature displaying item prices from different stores within the app, enabling informed purchasing decisions.
- Seamless and intuitive user experience developed using Kotlin and JavaFX (JFX) in Android Studio.

Technologies:

Kotlin, Java, JavaFX (JFX), Android Studio, Mobile Development

Chat Bot

NLP Chat Assistant | VIT

Project Summary:

This NLP-powered chat assistant provides comprehensive overviews of healthcare data sets, utilizing advanced natural language processing techniques. The chatbot employs deep learning models to enhance contextual understanding and deliver accurate information to users.

Key Responsibilities:

- Efficient deployment architecture built using Python, NLTK, Scikit-learn, and Flask for reliable performance.
- Advanced natural language processing through Tokenization, Stemming, Lemmatization, & Vectorization techniques for optimized text processing.
- Enhanced contextual understanding capabilities leveraging Neural Networks and deep learning models for improved user interaction.

Technologies:

Python, NLTK, Scikit-learn, Flask, Neural Networks, Deep Learning, NLP

EDUCATION

Master of Science in Information Systems | UMBC, MD, USA, 2024

Bachelor of Technology in Computer Science | VIT, Vellore, India, 2022