VYSHNAVI KARUMURU

Bloomington, IL | +1 (305)-427-1701 | karumuruvyshnavi2000@gmail.com | LinkedIn | Portfolio | GitHub

PROFESSIONAL SUMMARY

A Full-Stack Web Developer with 3+ years of experience in web application development, specializing in **Java and React**. Proficient in database management and data visualization. Passionate to combine software development expertise with growing skills in **AI and data science.** Strong problem-solver and continuous learner, adept at translating complex data into impactful visual representations.

EDUCATION

Florida International University, Miami, FL	**Aug 2022 – Dec 2023**
*MS in Computer Science (**Courses**: DBMS, Introduction to Algorithms, Data Visualization, Data Mining).*	*(CGPA – 3.63)*
MLR Institute of Technology, Hyderabad, India	**Aug 2017 – Jun 2021**
*BTECH in Information Technology (**Courses**: Data Structures & Algorithms, Java, Web Frameworks)*	*(CGPA – 3.30)*

TECHNICAL SKILLS

Languages / Web Technologies :	Java 2EE, Python, JavaScript ES6+, TypeScript, HTML5 , CSS3, Tailwind CSS, Bootstrap
Databases / Cloud / OS :	PostgreSQL, MySQL, NoSQL, MongoDB, Azure, AWS, Linux
Web Frameworks / API :	AngularJS, ReactJS, Spring boot, Next.js, jQuery, REST API, Swagger
Others / Build Tools :	AEM, Docker, Figma, GitHub, Jenkins, JIRA, Jest, Kubernetes, Maven, Redis

WORK EXPERIENCE

Fiona Solutions | *Frontend Web Developer, Houston*   **Feb 2024 – Present**

- Spearheaded the development of an e-commerce web application using **React, TypeScript, with Tailwind CSS** optimized SEO and UI/UX workflows using **Figma**, adhering to WCAG 2.1 standards.
- Maintained **RESTful APIs** with **Swagger**, reducing over and under-fetching issues, improved frontend performance by 25%.
- Utilized **jQuery** for DOM manipulation, and **AJAX** requests, enhancing web performance by 20% faster page loads.
- Integrated **D3.js** for data transformation and preprocessing from various sources (JSON, XML, CSV), ensuring actionable insights.
- Initiated CI/CD pipelines using **Jenkins, Docker**, streamlining deployment process for **Kubernetes**-based applications.

Suvarna TechnoSoft | *Full Stack Web Developer, Hyderabad*   **Jun 2019 – Jul 2022**

- Developed **React**-based UIs like Doctor & Patient Portals with **HTML5**, **CSS3**, **JavaScript ES6+, and Bootstrap** for healthcare provider.
- Integrated **Single Sign-On (SSO)** for server-side solutions with **OAuth2.0 & AWS Cognito**, enhancing secure access points.
- Implemented **MongoDB** to store and manage NoSQL patients' data, resulting in a 35% improvement in data retrieval speed and enabling API with real-time updates.
- Engineered sophisticated **multithreading and concurrency solutions** to manage high-traffic scenarios during healthcare processes with optimal responsiveness.
- Managed secure **Java 2EE** applications using **Spring Boot,** and use **RESTful** microservices with **Redis** caching, reduced API calls by 50% and tracked performance with **Dynatrace**.
- Refined automation and dependency management using **Maven and Jenkins**, reducing deployment times by 40%.
- Engaged with all phases in Software Development Life Cycle using Agile methodologies, while following HIPPA guidelines.

PERSONAL PROJECTS

Grab It. a Food-ordering Application (*Try it here*)

- Built a food ordering system using **MERN stack** with JWT-based user authentication, shopping cart, and payment features.
- Created an admin panel for managing food, orders, and business operations using **Context API, React Hooks,** and **Axios** for **REST API** interactions.

Flashcards AI Application

- Developed an **AI** powered solution for a Quiz Application using **Next.js, TypeScript, Tailwind CSS, and Node.js,** bypassing the need for manual quiz generation, boosted learning efficiency by 25%.
- Improved **PostgreSQL** databases with **Drizzle ORM** for robust backend services and optimized **REST API** interactions.

For more projects, visit my Portfolio: Portfolio

CERTIFICATIONS

- **Microsoft Certified:** Azure Developer Associate
- **Coursera:** Front-End Development with React