VYSHNAVI KARUMURU

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PROFESSIONAL SUMMARY

A Full Stack Software Engineer with 3 years experience in Frontend and Backend web development, proficient in programming languages such as Java, Python, JavaScript, and TypeScript. Skilled in ReactJS, NextJS, and NodeJS to build scalable and high-performance web services. Experienced in integrating with cloud technologies (AWS) and databases (MySQL, PostgreSQL, MongoDB) for seamless deployment and data management. Adept at implementing RESTful APIs, GraphQL, and authentication flows (OAuth 2.0) for secure and efficient data exchange. Committed to following agile methodologies (SDLC, CI/CD) and version control tools (GitHub) for collaborative and efficient software development. Proven ability to explore on emerging technologies, optimize performance, quality assurance test-driven development.

EDUCATION

Florida International University, Miami, United States   **Aug 2022 – Dec 2023**

MS in Computer Science (Courses: Database Management Systems, Distributed Systems, Cloud Technologies, Web Development)   *(CGPA – 3.63)*

MLR Institute of Technology, Hyderabad, India   **July 2017 – June 2021**

BTECH in Information Technology (Courses: Data Structures & Algorithms, Java, Python, Data Warehousing)   *(CGPA – 3.30)*

TECHNICAL SKILLS

Languages: Java, C++, Python, HTML5, CSS3, JavaScript, TypeScript

Frameworks/APIs: ReactJS, NextJS, NodeJS, jQuery REST API, GraphQL, OpenAI API

Databases/Cloud: MySQL, Postgres, MongoDB, Azure, AWS, Distributed Systems

Software Development Tools/Version Control: Git, Visual Studio, Jest, Jira, AEM, Jenkins, Software Development Lifecycle

Machine Learning Techniques: Linear Discriminant Analysis, Random Forest, Logistic Regression, Scikit, Seaborn, Tesseract, Pandas

Soft Skills: Verbal Communication Skills | Collaboration | Attention to Details | Adaptability | Problem Solving

WORK EXPERIENCE

Suvarna TechnoSoft, Front-end Developer, Full Time   **Jan 2020 – July 2022**

- Developed internal portals for Hospital's "HIMS" and "LIS" websites' UI with **ReactJS, JavaScript and Python**, and leveraged **AWS** services (EC2, S3, RDS) for hosting and managing web applications, ensuring scalability and reliability.
- Implemented **OAuth 2.0 authentication** flow using **AWS Cognito** User Pools, enabling secure user login and access to third-party APIs.
- Monitored and Optimized **REST API** performance, led to **20%** spike in API speed & **30%** lower API calls using **Redis cache** and **MongoDB.**
- Achieved **30%** reduction in website load times through **performance optimization** techniques and achieved the best customer experience.
- Created dynamic widgets to improve doctor availability, reducing appointment booking time by **40%.**
- Conducted code reviews, resolved **JIRA issues**, and focused on troubleshooting, cross-platform browser, unit testing and application support.

Suvarna TechnoSoft, *Web Developer, Intern*   **July 2019 – Dec 2019**

- Developed multiple proof-of-concepts (POCs) by building various login portals and Product UI builder screens for "HIMS" web applications using **HTML, CSS3, JavaScript, and React**.
- Implemented new UI features and components enhancing user engagement and boosting user retention by **15%** on release management.
- Initiated CI/CD (Continuous Integration / Continuous Deployment) pipelines using **Jenkins** that reduced deployment time by **30%,** leading to a more efficient software deployment process.

PERSONAL PROJECTS

Portfolio

- Built a **Portfolio** using **NextJS** for server-side rendering and **Tailwind CSS** for UI Development.
- Implemented features like achievement section, about section and experience section with tabs, and projects and certifications section with filtering capabilities. Hosted on Vercel App.

Grab It. a Food-ordering Application

- Developed a responsive **MERN** stack food ordering web application using **React JS, Node JS, Express, and MongoDB,** featuring user authentication using **JWT**, shopping cart, order placement, and secure transactions using **Stripe API**.
- Created an admin panel for food item management and order status updates, **ContextAPI, React Hooks, Redux** for state management, and **Axios** for efficient HTTP requests to interact with **RESTful APIs**, ensuring data security and smooth client-server communication.

Codex

- Built a JavaScript AI chat application using OpenAI machine learning model and **GPT-3 model API** for AI communication.
- Implemented AI assistance for programming languages and code translation using HTML, CSS, JavaScript, Node.js, and OpenAI APIs.

License Plate Recognition

- Developed a machine learning model using **Python and Image Processing Technology** (like, Tensor Flow, Keras, Tessaract) to retrieve the license number from the license plate.

CERTIFICATIONS

- **Coursera:** Front-End Web Development with React
- **Microsoft Certified:** Azure Fundamentals and Data Fundamentals
- **Udemy:** Python Certified