

VYSHNAVI KARUMURU



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PROFESSIONAL SUMMARY

- Experienced Full Stack Developer with a 4+ years of strong background in building web applications and enterprise solutions.
- Proficient in front-end development using **React.js, TypeScript, Redux, and Material-UI**, delivering high-performance UIs.
- Proficient in backend development using **Java, Spingboot, and Node.js** implementing **RESTful** microservices for seamless data communication and optimized application architectures.
- Skilled in database management with **Oracle SQL, PostgreSQL, MongoDB, and MySQL**, ensuring optimized queries, data integrity, and performance tuning for large-scale applications.
- Hands-on experience with cloud technologies, including **AWS and Azure** for scalable application deployment.
- Strong understanding of **DevOps** and **CI/CD pipelines**, integrating **GitHub Actions, Jenkins, Docker, and Kubernetes** for automated deployments and infrastructure management.

TECHNICAL SKILLS

Languages : Java, JavaScript (ES6+), TypeScript, Node.js, Python, C, C#, HTML5, CSS3, XML

Frontend & Backend: React.js, Redux, Angular, RESTful APIs, Spring Boot, Spring (Core, Data JPA, MVC)

Databases & Cloud : PostgreSQL, MongoDB, MySQL, Redis, Azure, AWS (EC2, S3, Lambda, CloudFront, Cognito, Aurora)

Deployment & Testing: Docker, GitHub, Jenkins, Kubernetes, Tableau, JIRA, Postman, JUnit, Jest, Swagger, Dynatrace

WORK EXPERIENCE

Full Stack Developer | Fiona Solutions

Feb 2024 – Present

- Designed and developed client-facing application a customer management dashboard with **React.js and TypeScript**, integrating real-time data visualization using **D3.js, Redux and Material-UI** for enhanced UI/UX.
- Created interactive dashboards and reports in **Tableau**, delivering KPI tracking and business insights for client stakeholders.
- Optimized enterprise-level microservices using **Node.js, &PostgreSQL**, ensuring scalability, and performance efficiency.
- Integrated **Swagger UI** for API documentation, streamlining cross-team collaboration and reducing debugging time by **50%**.
- Managed containerized application using **Docker & Kubernetes** on AWS ECS, reducing service initialization time by **60%**.
- Built an automated notification system using **AWS Aurora**, enabling real-time data processing across 15+ client workflows.
- Led **RESTful API** development for backend services, integrating secure authentication mechanisms and optimizing **API** interactions for scalable and high-performance applications.
- Initiated automated CI/CD pipelines using **Jenkins**, reduced deployment time by **30%**, for efficient software deployment.
- Worked in **Agile teams**, participating in daily stand-ups, sprint planning, and retrospective meetings to ensure smooth collaboration and continuous delivery of high-quality features.

Full Stack Developer | Suvarna Technosoft

Apr 2020 – Jul 2022

- Developed and deployed **React** based enterprise applications for healthcare and pharmaceutical providers using **AWS**, improving user engagement and response times by 30%.
- Built secure **Java 2EE** applications using **Spring Boot**, with **RESTful** microservices and **Redis** caching, reducing API calls by 50% and tracked performance with **Dynatrace**.
- Led technical debt removal initiatives, refactoring legacy **Java** codebases to improve modularity and reduce bugs by 30%.
- Optimized **Oracle SQL** queries and indexed high-frequency database transactions, reducing query execution time by 25%.
- Conducted root cause analysis on high-severity production incidents using **JIRA**, implementing performance optimizations.
- Implemented process enhancement initiatives, automated deployment pipelines with **Jenkins**, by 40% faster deployment times.
- Collaborated with cross-functional team to develop new application features, while following **HIPAA** compliance guidelines.

EDUCATION

Florida International University Miami, FL

Aug 2022- Dec 2023

Masters in Computer Science (Courses: DBMS, Introduction to Algorithms, Operating Systems, Data Mining)

(CGPA – 3.63)

Jawaharlal Nehru Technological University Hyderabad, India

Aug 2017 – Jul 2021

Bachelors in Information Technology (Courses: Data Structures & Algorithms, Java, Web Frameworks)

(CGPA – 3.30)

PROJECTS

Flashcards AI Application | Next.js, TypeScript, Tailwind CSS, Node.js, OpenAPI, PostgreSQL

- Developed an **AI** powered solution for a Quiz Application avoiding manual quiz generation, boosted 25% learning efficiency.
- Improved **PostgreSQL** databases with **Drizzle ORM** for robust backend services and optimized **REST API** interactions.

Grab It. a Food-ordering Application | MongoDB, Express, Angular, Node.js

- Built a food ordering system using **MEAN** stack with **JWT**-based user authentication, shopping cart, and payment features.
- Created an admin panel for managing food, orders, and business operations using **RESTful API, NgRx, and Axios**.

CERTIFICATIONS

- **AWS Certified:** Solutions Architect Associate
- **Microsoft Certified:** Azure Developer Associate, Azure Fundamentals, Data Fundamentals