

ASRITHA VEMIREDDY

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FULLSTACK SOFTWARE ENGINEER | FRONTEND DEVELOPER | UI/UX | WEB DEVELOPMENT | SQL/NOSQL | ANGULAR, REACT, NODE

Results-driven Full Stack Developer with **5+ years of hands-on experience** across professional and academic settings, building scalable, secure, and user-centric web applications across healthcare and fintech domains. Highly proficient in modern JavaScript frameworks including **React**, **Angular (v9 & v12)**, and **TypeScript**, with proven expertise in designing and optimizing full-stack solutions using **Node.js**, **Spring Boot**, and **REST/GraphQL APIs**. Specialized in creating responsive front-end architectures, enhancing performance, and ensuring compliance with standards such as **HIPAA** and **WCAG 2.1**. Skilled in CI/CD automation with **GitHub Actions** and **Jenkins**, cloud deployments on **Azure AKS**, and containerization using **Docker**. Adept at collaborating with cross-functional teams, mentoring junior developers, and driving high-quality, testable, and maintainable code with a focus on usability and performance.

EDUCATION

Pace University, Seidenberg School of Computer Science and Information Systems

New York, NY

Master of Science (MS) in Computer Information Systems | **Concentration:** Software Engineer | **GPA:** 3.97

Dec 2024

PROFESSIONAL EXPERIENCE

ShopTaki

New York, USA

Full Stack Developer

Jan 2025 – Present

- Developed and implemented AI-driven stock options algorithms to optimize trading strategies, improving accuracy and decision-making in real-time financial data analysis.
- Collaborated with cross-functional teams to integrate data sources and enhance the performance of AI models, contributing to the continuous improvement of the platform's trading capabilities.

GaoTek Inc.

New York, USA

Web Development

Jan 2024 – Dec 2024

- Customized WordPress functionalities, focusing on WooCommerce, Contact Form 7, and Ajax search, improving e-commerce performance by 25% and enhancing user experience by reducing page load time by 15% through HTML, CSS, JavaScript.
- Executed data import, form integration, and custom code implementations, ensuring 100% compliance with project requirements and achieving seamless integration within the system.

Rakuten Pvt Ltd

Bangalore, India

Software Engineer

Aug 2021 – Jan 2023

- Engineered a Multi-threaded SQL Operations Interface, utilizing Master-thread for full operations and Slave-thread for read-only tasks, ensuring real-time execution and synchronization.
- Streamlined data management processes, reducing time spent on SQL operations by 30%, which led to a 20% increase in overall system performance and faster product delivery, ultimately enhancing user experience.
- Utilized technologies: Java, Python, MySQL (CRUD), PostgreSQL, Spring Boot, and Flask. Achieved robust/efficient solutions.

Temenos

Hyderabad, India

Frontend Developer

May 2020 – July 2021

- Developed and deployed dynamic, responsive web applications using React.js, Node.js, and Flask, delivering seamless user experiences for small business clients in retail and services sectors.
- Designed and optimized MySQL and Firebase databases for efficient data management, while integrating AWS S3 and Firebase Storage for scalable file storage solutions.
- Improved application performance by 30-40% through optimization strategies such as code splitting, lazy loading, and efficient database queries, ensuring faster load times and better scalability.

ACADEMIC PROJECTS / PERSONAL PROJECTS

Flight Delay Analysis (Big Data)

Jan 2024 – May 2024

- Developed and deployed scalable distributed systems on AWS EC2 and S3 to process large flight delay datasets (1987-2008) using Hadoop, ensuring efficient data storage and processing.
- Analyzed and visualized key patterns in delays, providing insights to stakeholders with tools like Matplotlib and Seaborn.

Project Management Dashboard

Jan 2023- May 2023

- Developed an interactive project management dashboard using React, HTML, CSS, and JavaScript Libraries, implementing dynamic components and state management to provide real-time updates and interactivity.
- Integrated a Node.js/Express backend with a MongoDB database to handle CRUD operations via RESTful APIs and deployed the frontend on GitHub Pages and the backend on Heroku for seamless access and functionality.

RELEVANT COURSEWORK

Web Development | Database Management | Object Oriented Software Engineer | Big Data | Database Design and Development of Web | Agile Methodologies | SDLC | Operating Systems | Data Science | Data Structures | Data Visualization | Infrastructure-as-code (IaC)

TECHNICAL SKILLS & CERTIFICATIONS

Programming Languages: JavaScript (ES6+), TypeScript, Java, Node.js

Frontend Technologies: React (v16+ & 17+), Redux Toolkit, React Query, React Hooks, Context API, Angular (v9, v12), RxJs, NgRx, Angular Material, Tailwind CSS, HTML 5, CSS 3

Backend Technologies & Frameworks: Spring Boot, Express.js, Node.js, RESTful APIs, GraphQL, Microservices architecture, Apache Kafka

Authentication & Security: OAuth 2.0, JWT, AWS Cognito, Azure Active Directory, HIPAA Compliance, Spring Security, Input Validation

Databases: MongoDB, DynamoDB, PostgreSQL, MySQL

Testing & Quality Assurance: Jest, React Testing Library, Jasmine, Karma, Postman, Unit & Integration Testing, Frontend Test Coverage

DevOps & CI/CD: GitHub Actions, Jenkins, Docker, Azure Kubernetes Service (AKS), Automated Build & Deployment Pipelines

Monitoring & Analytics: Azure Monitor, Application Insights, Grafana