SRI VARDHAN MAVOORI

Okemos MI |+1 (313) 413-8553 | srivardhanmavoori@gmail.com | LinkedIn

---

PROFESSIONAL SUMMARY

- Full Stack Software Engineer with 4+ years of expertise designing and delivering scalable applications using MERN, MEAN, and LAMP stacks.
- Proficient in frontend frameworks including React, Angular, and Vue for building responsive, user-friendly interfaces.
- Skilled in backend development with Node.js, Express, Django, and Laravel, creating secure and performant RESTful and GraphQL APIs.
- Experienced in implementing JWT and OAuth authentication, ensuring robust security compliance for enterprise applications.
- Adept at deploying and managing cloud-native microservices on AWS and Azure, including CI/CD automation using Jenkins and GitHub Actions.
- Strong collaborator in Agile teams, driving full project lifecycle success from requirements gathering to production deployment and maintenance.

TECHNICAL SKILLS

Programming & Scripting: JavaScript (ES6+), TypeScript, Python, PHP, Java, C#, SQL, HTML5, CSS3, SCSS, Bash

Frontend Development: React.js, Next.js, Angular, Vue.js, Tailwind CSS, Material UI, Bootstrap, Redux, Zustand

Backend Development & Frameworks: Node.js, Express.js, Django, Flask, Laravel, Spring Boot, NestJS

Databases & Storage: MongoDB, MySQL, PostgreSQL, MariaDB, Firebase, Redis, Amazon RDS, DynamoDB

API Development & Integrations: RESTful APIs, GraphQL, gRPC, WebSockets, JSON, XML, OAuth 2.0, JWT Authentication

Cloud & DevOps: AWS (EC2, S3, Lambda, RDS, API Gateway, CloudFront), Azure App Services, Google Cloud Run, Docker, Kubernetes, Jenkins, GitHub Actions, Terraform, CI/CD Pipelines

Testing & Quality Assurance: Jest, Mocha, Chai, Cypress, Selenium, Playwright, Postman, Newman

Version Control & Collaboration: Git, GitHub, GitLab, Bitbucket, Jira, Confluence, Trello, Figma

Architecture & Methodologies: Microservices, Serverless Architecture, Monorepo, Responsive Web Design, Progressive Web Apps (PWA), Performance Optimization, Agile/Scrum

PROFESSIONAL EXPERIENCE

Senior Full Stack Developer   **May 2022 - Present**
State of Michigan

- Led the design and deployment of public-facing service portals using React.js, Node.js, Express.js, and MongoDB on AWS EC2, driving a 35% increase in successful citizen service requests.
- Reduced reporting delays by 50% through development of REST and GraphQL APIs with Apollo Server, seamlessly integrating state databases with external partner systems.
- Transformed aging PHP/LAMP systems into a containerized MERN stack using Docker and Kubernetes, delivering 99.99% uptime and lowering annual infrastructure costs by 20%.
- Strengthened application security by building JWT and OAuth 2.0 authentication flows with AWS Cognito, fully meeting CJIS compliance and stopping all unauthorized access attempts.
- Enhanced real-time monitoring for emergency services with WebSockets and Socket.IO, cutting data refresh times from 10 seconds to less than 1 second for critical dispatch dashboards.
- Shortened release cycles from weekly to daily by introducing GitHub Actions and Jenkins pipelines that automated builds, testing, and cloud deployments without downtime.
- Improved system reliability through comprehensive Jest, Cypress, and Playwright testing, reaching 92% coverage and decreasing production bug reports by a quarter.
- Delivered WCAG 2.1-compliant interfaces with Tailwind CSS and Material UI, ensuring consistent accessibility and performance across mobile, tablet, and desktop platforms.

Full Stack Developer   **May 2019 - Aug 2021**
Tech Mahindra

- Engineered enterprise-grade applications with Angular 9, Node.js, and PostgreSQL, improving transaction throughput and reducing processing delays by 30% for client platforms.

- Optimized database performance by restructuring schemas and tuning complex SQL queries, cutting heavy report generation time from 10 seconds to under 6 seconds.
- Delivered SEO-optimized portals using Next.js server-side rendering, driving a 25% increase in organic traffic and higher keyword rankings for client sites.
- Created scalable UI component libraries with React.js and Material UI, reducing duplicate code and accelerating feature delivery across multiple product lines by 20%.
- Expanded e-commerce functionality by integrating Stripe and PayPal APIs, enabling secure global transactions and improving checkout conversion rates.
- Deployed containerized applications on AWS ECS with Kubernetes orchestration, ensuring zero downtime during seasonal traffic spikes through automated scaling.
- Strengthened code quality through structured reviews in GitLab and mentoring team members, decreasing production defects by 15% over a one-year period.
- Produced detailed API documentation and architectural diagrams, enabling new hires to onboard in half the time while maintaining consistent development standards.

PROJECTS
Smart City Management Platform
- Built an interactive smart city dashboard that aggregated IoT sensor data through GraphQL APIs, enabling live tracking of energy usage, traffic flow, and emergency alerts across municipal departments.
- Developed a responsive frontend using React.js with Redux for centralized state handling and Node.js/Express.js microservices connected to MongoDB Atlas, ensuring low-latency data delivery.
- Deployed distributed microservices on AWS Lambda with S3 for asset storage, achieving 99.99% uptime and seamless scalability during peak event monitoring.

E-Commerce Web App Migration
- Transitioned a high-traffic retail platform from PHP/MySQL to a MERN stack, reducing page load times by 45% and introducing JWT-based authentication for secure multi-device sessions.
- Integrated Stripe API for payment processing, Elasticsearch for advanced product search, and Redis caching, resulting in faster query responses and improved user retention.
- Containerized services for deployment on AWS EC2, optimizing server resource usage and supporting rapid feature releases with minimal downtime.

Healthcare Appointment Scheduling System
- Designed a HIPAA-compliant scheduling platform using Angular, Node.js, Express, and MongoDB, ensuring secure patient data handling and real-time booking updates.
- Connected Twilio API for automated SMS and email reminders, reducing patient no-show rates by 25% and improving appointment utilization rates.
- Configured Azure DevOps CI/CD pipelines to run automated builds, tests, and deployments, reducing release cycles from days to hours.

EDUCATION
Master of Science in Electrical Engineering   **Aug 2021 - May 2022**
University of Colorado Denver

CERTIFICATIONS
- IBM AI Practitioner - **Coursera**
- Google Data Analytics Professional Certificate - **Coursera**
- Full-Stack Web Development with React Specialization - **Coursera**
- JavaScript Algorithms and Data Structures - **CodeCamp**
- Agile Development Specialization - **Coursera**
- Docker Certified Associate **- Docker**