

Kiran Subramani

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Summary: Full-Stack Developer with 2+ years of experience designing, developing, and deploying high-performance web and cloud-based applications. Proficient in the MERN and Next.js stacks, microservices, and RESTful API integrations. Skilled in building scalable front-end components and secure back-end services using React.js, Node.js, and MongoDB. Experienced in CI/CD automation, Docker, and AWS/GCP deployments, improving system uptime by 99.9% and reducing latency by 40%. Focused on measurable performance gains, accessibility compliance (WCAG), and building user-centric interfaces that improve usability and engagement.

EXPERIENCE

Yosi Innovation Private Ltd – Front-End Developer | IISc, India

Jun 2023 – Nov 2023

- Promoted from Full-Stack Developer Intern to Front-End Developer for leading the design and deployment of MedTech web and IoT solutions at IISc CPDMED TBI incubator.
- Engineered a Smart Intelligent Walking Stick leveraging IoT-based sensor modules and cloud-linked microcontrollers to assist physically impaired users, enhancing mobility and safety by 30%.
- Built and refined 20+ reusable React.js and TypeScript components integrated with RESTful APIs and WebSocket's, achieving 35% lower latency and 25% faster UI rendering.
- Collaborated with designers to create 6+ Figma prototypes, improving accessibility by 20% and ensuring responsive design across browsers and devices.

Yosi Innovation Private Ltd – Full Stack Developer Intern | IISc, India

Sep 2022 – May 2023

- Engineered scalable full-stack applications with modular RESTful APIs and analytics dashboards for real-time IoT device management using React.js, Node.js, and MongoDB.
- Deployed backend services on Docker and GCP, cutting build time by 40% and enabling horizontal scalability.
- Collaborated with hardware engineers to prototype and deploy IoT-enabled Smart Walking Stick, connecting sensor data streams to cloud dashboards for predictive insights.
- Strengthened security using JWT-based authentication and streamlined testing pipelines for production reliability.

Greet Labs Pvt Ltd – Full Stack Developer Intern | Bengaluru, India

Jan 2021 – Sep 2021

- Built and launched an e-commerce platform using the MERN stack, improving checkout speed by 35% and increasing user engagement.
- Implemented role-based access control (RBAC) and secure JWT authentication to enhance system security.
- Streamlined Node.js APIs and MongoDB queries, reducing backend response time by 25% and boosting scalability.
- Contributed to CI/CD pipelines (GitHub + Jenkins) and Agile sprints, ensuring 100% on-time delivery and clean version control.

PROJECTS

Good Dog – Responsive Web Application | [Link](#)

- Created modular UI components improving design consistency and developer efficiency by 30%. Built interactive pet adoption listings and authentication flow using Context API, enhancing UI responsiveness and improving overall navigation efficiency.
- Enhanced load speed by 40% using lazy loading, asset compression, and caching optimization. Integrated responsive layouts with Next.js routing and SEO enhancements.

Astrology Portfolio Platform | [Link](#)

- Deployed full-stack Flask application on GCP VMs using Docker, reducing latency by 40% and improving build speed. Automated deployment using container orchestration scripts.
- Containerized backend microservices, enabling auto-scaling and faster builds under 2x traffic load. Implemented API monitoring with Prometheus and Grafana dashboards.

Gold Price Prediction Dashboard | [GitHub](#)

- Developed real-time dashboard correlating S&P 500, EUR/USD, and Oil trends, improving financial trend prediction accuracy. Built custom APIs for data retrieval and historical analysis.
- Fine-tuned MongoDB queries and API caching, increasing dashboard responsiveness by 30%. Integrated data pipelines and automated refresh cycles for accurate visualization.

EDUCATION

Wilmington University (GPA: 3.7/4.0)

Expected – Dec 2025

Master of Science in Info System Technologies - Internet/Web Design

Gopalan College Of Engineering and Management (GPA: 8.04/10)

Jul 2019 – May 2023

Bachelor of Technology in Electronics and Communication Engineering

TECHNICAL SKILLS

- **Languages & Frameworks:** C, C++, C#, Java, Asp.Net, Node.js, Express, PHP, Python, R, Splunk, Next.js
- **Front End Technologies:** HTML, CSS, Tailwind CSS, JavaScript, Typescript, jQuery, GraphQL, React.js
- **Databases:** SQL (MySQL, Oracle, PostgreSQL, PL/SQL), NoSQL (MongoDB, Redis)
- **Cloud & DevOps:** AWS, GCP, Microsoft Azure, Docker, Kubernetes, Postman
- **Concepts & Tools:** Agile/Scrum, SDLC, Figma, Jira, API Integration, Performance Optimization, Web Web Accessibility (WCAG).