

Ragav Radhesh

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PROFESSIONAL SUMMARY

Full Stack Software Engineer with experience delivering production-ready web applications using React/Next.js and Sitecore headless CMS. Hands-on experience with Azure cloud deployments, CI/CD pipeline design, Docker containerization, and SQL-backed systems. Adept at performance engineering, caching strategy implementation, and troubleshooting live production systems. Committed to building scalable, maintainable, and high-impact software solutions.

EXPERIENCE

Comcast

Jul 2024 - Present

Development Engineer , Chennai, India

- Developed and maintained **Sitecore JSS / Next.js** web applications by building reusable and modular UI components using Prism, enabling scalable and maintainable frontend architecture.
- Optimized frontend performance by resolving critical UI defects and improving application loading speed across multiple iOS and Android devices.
- Designed and implemented automated UI test scripts using **Selenium**, covering 30+ Sitecore pages and 20+ reusable UI components to improve regression efficiency and release quality.
- Integrated and customized third-party Sitecore personalization solutions using Next.js and React, enhancing content delivery efficiency, improving user engagement, and delivering an estimated **annual cost savings of ~\$100K**.
- Designed, implemented, and maintained CI/CD pipelines using **Azure DevOps** and **GitHub Actions** to enable automated build, testing, and environment-based deployments across Development, Staging, and Production environments.
- **Reduced deployment turnaround time** by automating build validation, linting, and test execution within the continuous integration workflow.
- Configured and maintained Microsoft Azure environments, including App Services, environment variables, and deployment slots to support reliable **multi-environment hosting**.
- Managed and supported Azure SQL Database backing Sitecore CMS applications by performing query validation, troubleshooting data inconsistencies, and resolving production-critical connectivity issues.
- Demonstrated strong adaptability by quickly learning new technologies, business workflows, and tools, effectively **contributing** across **frontend development, QA automation, CI/CD support, cloud maintenance**, and production issue resolution based on **evolving team requirements**.

Comcast

Jan 2024 - Jun 2024

Intern, Chennai, India

- Built and deployed responsive webpages using Sitecore CMS, HTML, and CSS following UI/UX design standards.
 - Improved page load times by 70% through layout and image optimization and introducing Akamai as a cache layer.
 - Collaborated with backend and DevOps teams to support deployment validation and environment configuration
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SKILLS

- **Programming Languages & Frameworks:** React, Node.js, Next.js, HTML5, Python, GraphQL, C#, .NET
- **AI:** GPT / LLM Service Integration, API-based AI Workflows
- **Edge & Performance:** Akamai CDN, ESI, Personalization, Caching Strategies
- **Web Development:** Sitecore CMS, CSS
- **Testing and Automation:** Selenium Webdriver, WebdriverIO, Playwright
- **DevOps:** Azure DevOps, GitHub

EDUCATION

Thiagarajar College of Engineering	2020-2024 <i>B.E., Electronics and Communication Engineering</i> 9.05 CGPA First Class with Distinction
Sri Chaitanya Techno School	2019-2020 <i>Class XII</i> 94.6%
Maharishi Vidya Mandir	2017-2018 <i>Class X</i> 88.8%

PERSONAL PROJECTS

Notes App

- Developed a secure user-authenticated note management web application using Flask and Python, enabling users to create, edit, and manage personal notes efficiently.
- Integrated email-based user verification and session management to enhance account security and support personalized data privacy.

Portfolio Website

- Built and deployed a high-performance personal portfolio website using Next.js, showcasing AI-integrated and edge-optimized web applications with modern full-stack architecture.
- Implemented responsive UI design, server-side rendering, and optimized asset delivery to improve performance and user experience.

Content Personalization Dashboard

- Designed and developed a multi-tenant SaaS-based content personalization dashboard supporting role-based access control and isolated tenant-specific data architecture.
- Implemented RESTful backend APIs using Node.js and PostgreSQL with optimized query indexing strategies for efficient data retrieval and scalability.

Real-Time Event Booking System

- Developed a real-time event booking platform with transactional seat allocation logic to prevent race conditions and eliminate double-booking scenarios.
 - Implemented WebSocket-based live seat availability updates for concurrent users, improving booking transparency and responsiveness.
 - Built asynchronous background job processing for booking confirmation workflows and automated email notifications
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