DEEPAK ASHOK

Full-Stack Engineer

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Linkedin | Github | Portfolio

PROFESSIONAL SUMMARY

Results-driven Full-Stack Engineer with nearly 3 years of experience building scalable web applications using modern technologies. Proven expertise in React.js, Node.js, TypeScript, and cloud deployment (AWS). Strong track record of delivering high-performance applications with 90%+ Lighthouse scores while ensuring cross-platform compatibility, accessibility standards (WCAG), and robust security practices. Passionate about creating efficient, user-centric solutions and continuous improvement in software quality.

CORE TECHNICAL SKILLS

Frontend Technologies: JavaScript (ES6+), TypeScript, React.js, Redux, Next.js, HTML5, CSS3, SCSS, Tailwind CSS, Material-UI, Vite

Backend Technologies: Node.js, Express.js, Python, RESTful APIs, MongoDB, SQLite, WebSockets

DevOps & Cloud: AWS (EC2, S3, Lambda), Docker, CI/CD, GitHub Actions, Vercel

Testing & Quality: Cypress, Jest, React Testing Library, Postman, Performance Optimization, Web Vitals, Code Splitting, Lazy Loading

Tools & Methodologies: Git, GitHub, Figma, Adobe XD, Webpack, Agile/Scrum, Responsive Design, WCAG Accessibility, Cross-browser Compatibility

PROFESSIONAL EXPERIENCE

Full-Stack Engineer

Flowerhorn IT Pvt Ltd | India | *September 2021 - February 2024*

- Developed and maintained full-stack web applications using React.js, TypeScript, Redux, Node.js, Express, and MongoDB, serving a user base of 10,000+ active users
- Designed and integrated secure RESTful APIs and third-party services, ensuring seamless data flow and system interoperability
- Deployed and maintained applications on AWS (EC2, S3, Lambda) using Docker and GitHub Actions for CI/CD, achieving 99.9% uptime and high scalability
- Implemented comprehensive testing strategies (unit, integration, end-to-end) using Cypress and Jest, improving code reliability by 40%
- Optimized application performance through code splitting, lazy loading, and memoization, achieving 90%+ Lighthouse Performance Scores consistently
- Collaborated in an Agile team of 10+ developers with bi-weekly sprints, participating in code reviews, stand-ups, and retrospectives
- Ensured WCAG-compliant, responsive design across multiple browsers and devices, improving accessibility scores by 35%

Key Project: SageData - Business Intelligence Platform

- Built interactive dashboards using TypeScript, Node.js, and Chart.js with real-time data visualization capabilities
- Integrated Stripe payment gateway for secure transactions, handling $100K+ in monthly revenue
- Implemented Cypress for component testing, improving code maintainability and reducing bugs by 30%

Key Project: MeatKart - E-commerce Platform

- Developed responsive e-commerce frontend using React and Redux with seamless shopping cart functionality and real-time updates
- Built Node.js backend with RESTful APIs and WebSockets for live stock updates, reducing inventory discrepancies by 50%
- Optimized SEO and security features; deployed using Docker and GitHub Actions on AWS EC2, improving load times by 45%

Software Development Intern

Ananth Agri Services | India | *April 2020 - December 2020*

- Created high-fidelity UI prototypes in Figma for farm management platform, translating user research into visually consistent design systems
- Developed scalable React.js web application architecture with ES6+, React Hooks, and React Router for dynamic user interactions
- Collaborated with UX designers, QA engineers, and developers to build modern web applications aligned with business requirements
- Built reusable React components with props and state management (useState), improving code reusability by 40%
- Optimized web applications achieving 90%+ Lighthouse Performance Scores through performance best practices

EDUCATION

Master of Business Administration (MBA) in Cloud Computing

DBS Dublin, Ireland | *2024 - 2025*

Bachelor of Computer Application (BCA)

SK University, India | *2018 - 2021*

CERTIFICATIONS

- Developing Frontend Apps with React *IBM - [Link](#)*
- Developing Backend Apps with Node.js *IBM - [Link](#)*
- Python for Data Science, AI & Development *IBM - [Link](#)*
- Python Crash Course *Google - [Link](#)*
- Git and GitHub *IBM - [Link](#)*

NOTABLE PROJECTS

Nutritional Scanner | [Github](#) | *[Live Demo Link](#)*

Full-stack nutrition scanner app with AI-powered analysis using Google Gemini API. Built with MERN stack and deployed on Vercel.

QuickReplyAI | [Github](#) | *[Live Demo Link](#)*

AI-powered quick response system leveraging modern web technologies for intelligent automation.

Additional Projects | [Github](#) | [Live Demon Link](#)

AirBnb Clone, Weather App - Full-stack applications demonstrating proficiency in modern web development

ADDITIONAL INFORMATION

- **Work Authorization:** Eligible to work full-time in Ireland (Stamp 1G)
- **Languages:** English (Professional Fluency)
- **Interests:** Cloud Computing, AI/ML, Performance Optimization, Open Source Contribution