

# Deepak Ashok

Full-Stack Developer | Dublin 7 | Stamp 1G

[ashokrawaldz@gmail.com](mailto:ashokrawaldz@gmail.com) | +353 899567370 | [Portfolio](#) | [Connect on LinkedIn](#)

## PROFILE

Software engineer with 3 years of experience, growing from a frontend-focused role into delivering complete MERN stack solutions. Skilled in creating responsive, accessible user interfaces with React.js, Redux, HTML, CSS, and Tailwind, while building scalable backends with Node.js, Express, and MongoDB. Experienced in designing and consuming REST APIs, implementing secure authentication/authorization (JWT, role-based access), and adding real-time features with WebSockets. Proficient in deploying containerized applications to AWS using Docker and GitHub Actions CI/CD, with a strong grasp of TypeScript, Agile practices, and performance tuning. Known for improving system scalability, reducing deployment times, and enhancing user experience through clean, maintainable code.

## TECHNICAL SKILLS

**Frontend Technologies:** React.js, Next.js, JavaScript (ES6+), TypeScript, Redux Toolkit, React Router, and React Context API.

**Backend:** Node.js, Express, MongoDB.

**UI & Styling:** Figma, Adobe XD, Sketch, HTML5, CSS3, SCSS, Tailwind CSS, and WCAG Accessibility Standards.

**Testing & Tooling:** Jest, Unit Testing, GitHub Actions, React Testing Library, Webpack, Babel, ESLint.

**Performance Optimization:** Code Splitting, Lazy Loading, Memoization, and Web Vitals Improvement.

**Cloud & APIs:** RESTful APIs, Authentication & Authorization (JWT, RBAC).

**Other:** Docker, Jira, Postman

## EDUCATION

**Master of Business Administration (Cloud Computing), Dublin Business School, Ireland** | April 2024–2025

*Relevant modules:* Cloud Applications Management, Cloud Technologies for Business, Dynamic Leader Development, and Research Methods.

**Bachelor's in Computer Application, Sri Krishnadevaraya University, India** | July 2018 – 2021

*Relevant modules:* Web Technologies, Programming with C

## WORK EXPERIENCE

**Flowerhorn IT Pvt Ltd, Bangalore, India** | Sep 2021 – 2024

*Full-Stack developer (frontend-focused)*

- Built and scaled a real-time inventory and order management system with WebSockets & REST APIs, ensuring accurate stock synchronization across web, POS, and marketplace integrations.
- Developed and optimized React.js components (hooks, Context API, and Redux Toolkit) to power product catalogs, carts, and admin dashboards, boosting performance and reliability through caching, indexing, and query optimization (40% lower latency).
- Implemented secure authentication with JWT and role-based access control for multi-tenant merchant dashboards, while enhancing accessibility and SEO scores (95%) through best practices.
- Streamlined deployment & monitoring by containerizing microservices (Docker), setting up CI/CD pipelines (GitHub Actions), and deploying to AWS with zero downtime, integrated with CloudWatch & Sentry to cut incident resolution time.
- Enhanced product quality by raising unit test coverage to 90%, integrating static analysis, and reducing production bugs while mentoring peers, conducting code reviews, and collaborating within Agile sprints.
- Improved user experience with performance tuning (boosting Lighthouse score by 33%) and contributing to a shared design system for reusable, accessible UI components aligned with business goals

Software Engineer Intern.

- Created high-fidelity UI prototypes in Figma, translating user research insights into visually consistent design systems for a farm management SaaS platform.
- Developed and styled reusable React components with props-based configuration and basic state management using useState and useEffect.
- Assisted in frontend performance tuning, improving page load speed by ~25% through asset optimization and efficient rendering techniques.
- Collaborated with QA teams to execute manual and automated testing, documenting bugs in Jira and ensuring quick turnaround for fixes.
- Participated in Agile development cycles, contributing to feature planning, sprint reviews, and end-user demo sessions.

## PROJECTS

---

### MeatKart – Full-Stack Developer (frontend focused) | Duration – 2.5 years

Technologies—React.js, Node.js, Express.js, MongoDB, WebSockets, AWS (EC2, S3, Lambda), Docker, GitHub Actions, JWT, REST API

- *Real-time Inventory & Stock Management:* Engineered a live inventory system by integrating external supplier APIs and WebSockets, ensuring accurate product availability across customer and admin dashboards, reducing overselling incidents to near zero.
- *Scalable Frontend Architecture:* Built modular React.js components using Hooks (useState, useEffect, useContext) to power dynamic cart operations, product filtering, and instant stock refresh, improving UI responsiveness and reusability.
- *Secure Backend Services:* Designed and maintained Express.js APIs with JWT authentication, role-based access control, and a modular folder structure, improving security and long-term maintainability.
- *DevOps & CI/CD Automation:* Automated deployments with Docker and GitHub Actions, creating CI/CD pipelines that delivered zero-downtime releases to AWS EC2, Lambda, and S3. Implemented AWS Parameter Store for secure secret/config management.
- *Performance & Optimization:* Delivered an admin dashboard with live sales tracking, inventory analytics, and performance monitoring. Optimized frontend and backend workflows, validated with Lighthouse audits and load-testing improvements.
- *Cross-functional Collaboration:* Worked in Agile sprints with designers, product owners, and backend engineers, actively contributing to UI/UX enhancements, peer code reviews, and end-to-end feature delivery.

### Agri Management Portal – Intern | Duration – 8 months

Technologies—React.js, JavaScript, HTML, CSS, Figma, Jira

- Designed high-fidelity UI wireframes and interactive prototypes using Figma in collaboration with the design team, supporting product vision and improving communication between design and development.
- Contributed to the frontend codebase using React.js, implementing minor UI features, fixing layout issues, and refining styling based on design guidelines and mentor feedback.
- Assisted in developing reusable UI components with props-based configuration and basic state management using useState, promoting component modularity.
- Participated in manual testing of frontend features and performed basic unit testing of components to ensure consistent UI behavior during development cycles.
- Worked closely with QA and developers to track and document bugs in Jira and iterate on UI improvements based on stakeholder and user feedback.

[WeatherNow](#) : Built a React.js weather dashboard with live API integration and geolocation-based forecasts.

[Bg-Wipe](#) : A node.js tool for removing image backgrounds using third-party ML APIs.

[QuickCVIFY](#) : MERN resume parser with OpenAI API to generate ATS-friendly, keyword-optimized CVs. (ONGOING PROJECT\*\*)

[User-Authentication](#) JWT & bcrypt-based auth system with secure session handling