

# Deepak Ashok

Full-Stack Developer | Dublin 7 | Stamp 1G

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## PROFILE

Software engineer with 3+ years of experience, evolving from a frontend-focused role into delivering full MERN stack solutions. Expert in building responsive, accessible interfaces using React.js, Redux, HTML, CSS, and Tailwind CSS, paired with strong backend skills in Node.js, Express, and MongoDB. Skilled in designing and consuming REST APIs, implementing authentication/authorization with JWT, and integrating real-time features using WebSockets. Experienced in deploying containerized applications to AWS with Docker and GitHub Actions CI/CD. Proficient in TypeScript, Agile methodologies, and performance optimization, with a track record of improving UI speed, scalability, and user experience.

## TECHNICAL SKILLS

**Frontend:** React.js, HTML5, CSS3, Redux, Next.js

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

**UI & Design:** Figma, Adobe XD, Sketch.

**Testing:** Jest, Unit Testing, GitHub Actions

**Other:** Docker, Jira, Postman, AWS Services, Tailwind CSS

## 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, 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)*

- Developed end-to-end features for e-commerce SaaS products, designing and implementing scalable RESTful APIs with Node.js, TypeScript, Express, and Prisma connected to MongoDB for efficient inventory management, including JWT-based authentication, role-based permissions, and robust error-handling middleware.
- Built comprehensive product and shop management modules featuring creation, categorization, manufacturer linkage, CRUD operations, and real-time synchronization between inventory stock and sales data.
- Integrated real-time stock availability into the UI using WebSockets and REST APIs, preventing overselling and enhancing user trust.
- Deployed containerized applications to AWS (EC2, S3, Lambda) using Docker and GitHub Actions CI/CD pipelines, reducing deployment times from hours to minutes and improving release frequency.
- Conducted unit and integration testing across frontend and backend using Jest and React Testing Library, achieving 90%+ coverage to ensure high code quality and reliability.
- Actively contributed to Agile sprints by performing code reviews, writing technical documentation, and troubleshooting production issues.
- Implemented advanced search and filtering functionalities to improve product discoverability and streamline inventory queries. Created customer and sales tracking modules facilitating order processing, stock decrementing, and comprehensive sales reporting for data-driven decision making.

*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.

## RELEVANT PROJECT

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**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

- Engineered a real-time stock management system by integrating external inventory APIs and WebSockets, ensuring accurate, dynamic product availability and preventing overselling across customer and admin interfaces.
- Developed and optimized React.js UI components using Hooks (`useState`, `useEffect`, `useContext`) to enable seamless cart operations, filtered product views, and real-time inventory updates.
- Built secure and scalable REST APIs with Express.js, implementing JWT-based authentication, role-based access control, and modular business logic for maintainability.
- Designed and maintained CI/CD pipelines with Docker and GitHub Actions, automating testing and deployment workflows to AWS (EC2, Lambda), while securing sensitive data with environment variables and AWS Parameter Store.
- Collaborated cross-functionally in Agile sprints, contributing to UI/UX implementation, code reviews, and delivery of an admin dashboard featuring live sales tracking, inventory insights, and performance optimizations via Lighthouse audits.

**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.