Deepak Ashok

Full-Stack Developer | Dublin 7 | Stamp 1G
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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: 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 a centralized multi-channel inventory engine that kept stock in sync across web stores, marketplace integrations, helping avoid overselling and improving order accuracy.
- Architected event-driven workflows with WebSockets and REST APIs to handle frequent stock updates, making sure changes appeared within seconds on both the frontend and backend.
- Implemented automated stock reconciliation pipelines to detect and fix mismatched counts across different systems, reducing inventory errors by about 70%.
- Applied concurrency control and transaction safety in Prisma and MongoDB to handle edge cases during busy sales (like two customers ordering the last item at once).
- Optimized product catalog queries with indexing, aggregation pipelines, and caching, which cut API response times by 40% for large datasets.
- Integrated external sales channels and Point of sale systems into the SaaS dashboard so merchants could manage orders, stock, and reports all in one place.
- Containerized and deployed microservices on AWS (EC2, S3, Lambda, API Gateway) using Docker and GitHub Actions CI/CD, achieving faster, zero-downtime releases.
- Enhanced reliability by setting up centralized logging and monitoring with CloudWatch and ELK, which made it easier to catch and fix production issues quickly.

- Built dashboards showing real-time sales, inventory, and customer insights, giving business owners the data they needed for better decisions.
- Worked closely with the team in Agile sprints leading code reviews, writing documentation, and mentoring peers to keep delivery smooth and code quality high.

Ananth Agri Services, *Andhra Pradesh, India. |* Apr 2020 – 2021
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

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

- Built a real-time stock management system by integrating external inventory APIs and WebSockets, keeping product availability accurate across customer and admin dashboards and preventing overselling.
- Developed reusable React.js components with Hooks (useState, useEffect, useContext) to power smooth cart operations, product filtering, and instant stock updates.
- Designed and maintained secure REST APIs with Express.js, adding JWT authentication, role-based permissions, and modular code for long-term maintainability.
- Automated deployments with Docker and GitHub Actions, setting up CI/CD pipelines that pushed tested builds to AWS (EC2, Lambda, S3) with zero-downtime releases.
- Secured configuration and secrets by managing environment variables and AWS Parameter Store.
- Delivered an admin dashboard with live sales tracking, inventory insights, and performance optimizations validated through Lighthouse audits.
- Worked in Agile sprints with designers and backend engineers, contributing to UI/UX improvements, code reviews, and end-to-end 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.