

Karthick D

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PROFESSIONAL SUMMARY

Available for immediate joining.

Results-driven MERN Stack Developer with hands-on experience building **scalable web applications** using MongoDB, Express.js, React.js, and Node.js. Proficient in designing **secure RESTful APIs**, implementing **cloud deployments (AWS)**, and optimizing **application performance**. Strong problem-solver focused on delivering reliable, user-centric solutions that drive business growth.

EXPERIENCE

7 Eagles Chennai, TN
Backend Developer (Intern → Full-Time) May 2024 - Oct 2025

- Designed and scaled backend systems by **engineering 25+ secure APIs and** multi-role dashboards, enabling **5+ operational teams** and supporting **1,000+ daily active users**, which **improved workflow efficiency by 40%** and accelerated cross-team operations.
- Integrated 8+ external services** and optimized platform architecture with automation, caching, and secure deployments, **reducing manual processes by 35%**, **boosting system scalability and reliability by 50%**, and ensuring high availability with faster response times.

Bigziel Technologies Pvt. Ltd Chennai, TN
MERN Stack Developer Intern Nov 2023 - Apr 2024

- Built and integrated 10+ interactive** web modules with seamless frontend-backend workflows, improving overall system performance and **reducing page load time by 30%**, resulting in faster and smoother user experiences.
- Designed and **optimized 20+ fully responsive user interfaces** across mobile, tablet, and desktop, **increasing user engagement by 25%** and **reducing UI-related issues by 40%** through improved usability and consistency.

Seoyon E-Hwa Summit Automotive Pvt. Ltd Chennai, TN
Quality Control – Document & Manpower Management Feb 2021 - Nov 2023

- Managed **1,000+ monthly records** for material movement, assembly, quality inspections, and manpower tracking, improving operational accuracy and **reducing documentation errors by 35%**.
- Coordinated **end-to-end delivery** and compliance documentation **across 5+ departments**, **ensuring 100% audit readiness** and **reducing processing delays by 30%**.

EDUCATION

Kingston Engineering College Vellore, TN
Bachelor of Engineering (B.E.) July 2017 - May 2020
Major in (Mechanical Engineering)

PROJECTS

Scalable Multi-Vendor E-Commerce Platform Jan 2020

- Engineered a full-stack marketplace using React.js, Node.js, Express.js, and MongoDB, supporting **5,000+ monthly users**, optimizing REST APIs and queries to cut **page load time by 45%** and increase **checkout conversions by 30%**.
- Deployed on **AWS (EC2, S3, CloudFront)** with JWT authentication, caching, and auto-scaling, **ensuring 99.9% uptime** and **seamlessly handling 3× peak traffic**.

Real-Time Task & Workflow Management System Jun 2019

- Developed a collaborative project tracker with React frontend and Node.js/Express APIs backed by MongoDB, enabling **1,000+ active users** and **reducing manual task coordination effort by 60%**.
- Improved performance via indexing, API optimization, and AWS cloud deployment, **lowering server response time by 50%** and **boosting Lighthouse performance score from 65 → 92**.

TECHNICAL SKILLS

Programming Languages: JavaScript (ES6+), TypeScript, Python, PHP, C, C++

Frontend Development: React.js, Next.js, Flutter, HTML5, CSS3, Tailwind CSS, Redux

Backend Development: Node.js, Express.js, RESTful APIs, GraphQL, Microservices Architecture

Data & Analytics: Pandas, NumPy, Data Processing, Basic Machine Learning

Databases: MySQL, MongoDB, Firebase, Redis

Cloud & DevOps: AWS (EC2, S3), Microsoft Azure, Docker, Kubernetes, GitHub Actions (CI/CD), Linux Shell Scripting

Tools & Practices: Git, GitHub, API Integration, Payment Gateway Integration, Cybersecurity Best Practices

Certification: Full Stack Development (MERN Stack)