



KRITAGYA SINGH

MERN Stack Developer

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ABOUT ME

A highly motivated software engineer with 3 years of experience in MERN stack development. Adept at designing and developing full-stack web applications using Node.js, Express, MongoDB, React, Next.js, and TypeScript. Proven ability to optimize performance, implement secure authentication systems, and deliver scalable, maintainable solutions. Strong collaborative skills with a keen eye for performance bottlenecks and code efficiency.

EDUCATION

2016 - 2021

Gautam Buddha
University

B.Tech + M.Tech (Integrated)

- CGPA: 7.04
- B.Tech in Electronics and Communication
- M.Tech in Artificial Intelligence and Robotics

EXPERIENCE

2024 - 2025

Realization
Technologies

Software Developer

- Improved page load speed by 30% using lazy loading, code splitting, and React.memo.
- Achieved 25% faster re-renders with React hooks and memoization.
- Reduced code redundancy by 50% with reusable React components.
- Minimized form validation errors by 60% using custom React Hook Form logic.
- Strengthened security via JWT authentication.

2022 - 2024

Nagarro Software Pvt.
Ltd.

Software Engineer

- Reduced API response time by 40% through MongoDB indexing and query optimization.
- Enhanced UI performance using lazy loading and efficient component design.
- Built scalable React components and handled frontend state using Redux.
- Developed secure authentication mechanisms with JWT.
- Collaborated with backend teams for seamless data flow and API integration.
- Improved SEO and accessibility scores using Lighthouse audits.

2020 - 2021

Bgent Solutions

Web Developer Intern

- Developed responsive UI components and cross-browser-compatible layouts.
- Applied React hooks to manage state and lifecycle events.
- Participated in code reviews and debugging, ensuring high code quality.
- Used Git for version control and collaboration with senior developers.

SKILLS

- NodeJs
- Typescript
- React
- Redux
- Express
- MongoDb
- NextJs
- Microservices