

Upendra Verma

FULL-STACK DEVELOPER

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EDUCATION

B.E. (Hons.) in Computer Science Engineering(Cloud Computing)

Chandigarh University Aug 2020 - Jun 2024

GPA: 8.23 / 10

TECHNICAL SKILLS

HTML, CSS, JavaScript(ES6), React.js, Node.js, Express.js, Java, AWS, Git, GITHUB, JWT, MongoDB, MySQL, OAuth, Docker, SCCM

PROFESSIONAL WORK EXPERIENCE

Assistant System Engineer

Tata Consultancy Services Jun 2024 - Present

- Developed and maintained an analytics dashboard, resulting in a 20% increase in customer engagement.
- Contributed to designing and implementing a caching strategy, reducing database hits by 30%.
- Refactored and optimized API endpoints to enhance client-server communication and efficiency.
- Engineered a secure authentication system using JSON Web Tokens (JWT), decreasing unauthorized access by 80%.
- Improved real-time data processing capabilities, boosting overall application performance by 35%.
- Participated in backend optimization efforts, leading to faster server response times and reduced latency.
- Ensured reliable and consistent server-side transactions, minimizing transaction failure rates.
- Administered Microsoft System Center Configuration Manager (SCCM) to manage client systems, deploy software packages, apply security patches, and monitor compliance across enterprise environments.
- Supported deployment pipelines and automated build processes using AWS services to streamline software delivery and improve DevOps workflows.

PROJECTS

URL Shortener

- Developed a full-stack URL shortener using Node.js, Express.js, and TypeScript
- Implemented authentication and authorization using JWT with secure HTTP-only cookies, enabling user-specific link tracking, protected routes, and dynamic URL generation.
- Utilized EJS for SSR and managed cookie-based session data to enhance performance and SEO

Ping Me (Chat Application)

- Built a full-stack real-time chat application using React, Node.js, Express, and MongoDB
- Implemented user authentication, JWT-based session management, and role-based access control
- Integrated Socket.io for real-time one-on-one and group messaging with read receipts

CERTIFICATIONS

AWS Certified Cloud Practitioner - AWS

React, NodeJS, Express & MongoDB - The MERN Fullstack Guide