Mahesh Kunwar

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Profile

Full Stack Developer skilled in building scalable web apps and optimizing backend services. Proactive problem-solver focused on performance and user experience. Adaptable, quick learner, and passionate about team collaboration to deliver innovative, business-aligned solutions.

Work Experience

Rebb Tech Pvt.Ltd, Sydney, NSW (Internship)   Nov 2024 - Present
Full Stack Developer

- Developed and maintained full-stack web applications using the MERN stack, ensuring scalable and efficient performance.
- Implemented secure authentication and authorization with JWT and OAuth, enhancing access control and data protection.
- Designed optimized database schemas and queries for MongoDB and MySQL, improving data retrieval efficiency.
- Built CI/CD pipelines for automated deployment and integrated AWS EC2 and S3 for scalable hosting and storage solutions.
- Collaborated with UI/UX designers to create responsive and user-friendly interfaces using React and React Bootstrap.
- Git, CI/CD, AWS (EC2, S3), MongoDB, MySQL, Node.js, Express.js, React, Redux Toolkit, RESTful APIs, JavaScript (ES6+).

Project Work

- **Personalized E-learning Recommendation System (MERN Full-Stack)**
  - Developed a personalized e-learning platform with AI-driven course recommendations.
  - Implemented authentication and role-based access using JWT and bcrypt.
  - Designed an interactive UI using React, Tailwind CSS, and ShadCN components.
  - Built a recommendation system using TensorFlow.js to suggest courses based on user behavior.
  - Integrated PayPal for secure payment processing and subscription management.
  - Used MongoDB for efficient data storage and retrieval.
  - Deployed the frontend on Vercel and the backend on Render for seamless hosting and scalability.
- **E-commerce Platform (MERN Full-Stack)**
  - Designed a full-stack e-commerce application with secure authentication and payment processing.
  - Integrated Stripe for handling transactions and Cloudinary for optimized media storage.
  - Built a responsive and user-friendly frontend using React and Tailwind CSS.
  - Developed backend services with Node.js and Express.js for seamless API interactions.
  - Implemented MongoDB for database management, ensuring fast and efficient data handling.
  - Deployed the application on AWS EC2 and S3 for high availability and scalability.

Skills

Frontend: HTML, CSS, JavaScript, React, TypeScript
Backend: Node.js, Express.js, ASP.NET
Database: SQL, MongoDB, MySQL
Tools & Deployment: Other Skills: RESTful APIs, Authentication (JWT, OAuth), Cloudinary, Redux Toolkit

Education

                                                                     Mar 2022 - Feb 2025
Kings Own Institute, Sydney
Bachelor of Information Technology

                                                                     Apr 2024 - Sept 2024
Dented Code Academy, Sydney
Full Stack Development Bootcamp