Portfolio
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Ajay Yadav

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PROFILE

Software engineer with 2.5 years of experience, specializing in full-stack development, experienced in building and deploying scalable web applications. Proficient in data structures, algorithms, and design thinking. GCP Certified Associate Cloud Engineer.

EDUCATION

B.E. in **Computer Science and Business System**, **Chandigarh University** , CGPA: 7.6 — 2019 — 2023

SKILLS

Programming Skills

Java • JavaScript • HTML • CSS • Python

Tools & Technologies

Node.js • Express.js • React.js • Spring Boot • Next.js • Redux • MySQL • PostgreSQL • Git and GitHub • GCP • Docker • Kubernetes • Kafka • Socket.io • GraphQL • OAuth • Jest • Supertest • OOPs • REST

Core Competencies

Data Structures • Algorithms • Design Thinking

EXPERIENCE

Persistent Systems | Software Engineer   Sept 2023 — ongoing

- **Created** a user **authentication** and **authorization** system using **JWT** and integrated **Google OAuth** for a **microservices-based** application, ensuring data security and improving login efficiency by 30%.
- **Migrated** website from Next.Js version 12 to 14, improving **performance by 20%**and reducing build times by 15%.
- **Built** custom Node.js **RESTful API** endpoints to interact with Shopify's data, utilizing Shopify's **GraphQL** Metaobjects API to fetch and synchronize large datasets, **automating data management** and **reducing human errors by 40%**.
- Leveraged **Shopify's Metaobjects API** to manage complex data structures, enabling efficient data organization and retrieval, resulting in a 30% increase in data accuracy.
- **Created and integrated** a **responsive**, **user-friendly** React.js frontend to manage Metaobjects, reducing admin time spent on data entry and handling by 25%.
- **Implemented real-time data validation** on the frontend using React.js to ensure accurate data inputs, reducing errors by 30%.
- **Integrated** seamless authentication using Shopify's **OAuth** system, ensuring secure data access and enhancing the app's security.
- **Developed** robust **test cases** for APIs, achieving **90% test coverage** and **reducing bugs** in production by 25%.

INTERNSHIPS

Vitto Microfinance.Ai | Full Stack Intern   May 2023 — Sept 2023

- **Optimized** API and UI for paginated data, **cutting call times by 50%**, and added CSV export functionality to admin pages.
- Developed a bulk customized notification feature **empowering** admins to send personalized messages to Android app users. Resulted in a **25% increase in user engagement** and a **15% improvement in user retention**
- **Enhanced** codebase by **migrating 80% API** from JavaScript to TypeScript, leveraging stronger typing and improved **maintainability**.

Tata Consultancy Services | ML Intern   Jun 2022 — Jul 2022

- Created key functions for **text analysis reducing 95% time consumption**, enhancing medical insights.

PROJECTS

Social Sharing (visit)

- Developed a **mobile-responsive** social sharing app with **liking** and **commenting** features, increasing user **engagement by 35%**.
- Integrated **Google authentication** and **Redux** for login and state management, **improving** user login **efficiency by 40%**.

Real-time Notification System

- **Built** a **real-time notification** system using Socket.io, and **Kafka**, delivering notifications to users **instantly** with **99.9% uptime**.
- Implemented MongoDB for efficient storage, **reducing data retrieval time by 30%**.

Interactive Map Search (visit)

- **Created** an interactive map search app using **Mapbox GL** and **Algolia**, improving search **speed** by **50%**, implemented **pagination**.

ACHIEVEMENTS AND CERTIFICATIONS

GCP Certified Associate Cloud Engineer(view)   **Solved 500+ questions on Leetcode** (visit)