Ajay Singh
Full Stack Developer

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Summary — Full Stack Developer with expertise in MERN stack, RESTful APIs, alongside Python, Django, FastAPI, and PostgreSQ and database management. Adept at creating seamless integrations between frontend and backend systems, ensuring robust and scalable solutions. Proven track record in leading teams and delivering high-impact projects, including real-time applications and task automation systems. Seeking to contribute to innovative tech solutions in a collaborative environment.

Skills

Frontend	HTML, CSS, React, Next.js, Tailwind, Bootstrap
Backend	Node.js, Express.js, SQL, Django, FastAPI, AWS S3, Docker, GCP, Vercel, REST API, GitHub, CICD
Languages	Python, JavaScript, DSA
Database	MongoDB, MySQL, PostgreSQL, Firebase

Experience

Ethan-Ai India Pvt Ltd   **Jul 2024 – Present**
Software Developer

- **develope:** Collaborated with frontend developers to ensure seamless integration between frontend and backend services in a fintech/wealth management environment.
- **Backend Optimization:** Developed and optimized backend services using Django and Python, improving stability, scalability, and response times.
- **API Development:** Built and optimized APIs to support evolving product requirements, enhancing system efficiency and user experience.
- **Database Management:** Constructed complex queries to enhance data retrieval and analysis, boosting backend performance and data accessibility.

Quality and Testing Info Solution Pvt.ltd   **Oct 2023 – June 2024**
Software Developer

- **Frontend Integration:** Collaborated with frontend developers to ensure seamless integration between frontend and backend services..
- **Frontend Dashboard:** Created user-friendly and visually appealing dashboard interfaces, enhancing user experience and data visualization.
- **API Development:** Built and optimized APIs to support evolving product requirements, enhancing system efficiency and user experience.
- **Data Pipelines:** Building Queries and Atlas Aggregation Pipelines: Played a key role in constructing queries and aggregation pipelines within Atlas, optimizing data retrieval and analysis processes.

Arcadia   **jan 2023 – Sep 2023**
Software Developer

- **Project One: Prediction Game App**
  - Designed and implemented the backend architecture for seamless integration with external APIs.
  - Developed a robust backend structure.
  - Designed and implemented a notification system to engage users with timely updates and alerts.
  - Integrated Firebase for real-time database management.
  - Conducted performance optimization and load testing to handle high user traffic.
- **Project Two: Automated Task Assignment System**
  - Designed and implemented an automated system to assign tasks to employees based on department and efficiency metrics.
  - Integrated Firebase Realtime Database for real-time data synchronization and task updates.
  - Developed a push notification service to alert employees when new tasks are assigned.

KEY ACHIEVEMENTS

- **Frontend:**
  - Designed and developed user-friendly e-commerce UI components, improving user experience and driving customer engagement.
  - Created visually appealing and responsive dashboards tailored for fintech and wealth management platforms.
- **Backend:**
  - Optimized backend services using both Django and Node.js, significantly improving system stability, scalability, and response times.
  - Developed robust backend architectures for fintech applications and automated task management systems.
  - Enhanced microservice-based architectures in Node.js to improve modularity and maintainability.
- **API Development:**
  - Built and optimized RESTful APIs using Django and Node.js to support evolving product requirements, enhancing system efficiency and user experience.
  - Integrated external APIs for real-time data retrieval in prediction game applications.
- **Performance Optimization:**
  - Conducted load testing and performance optimization for high-traffic applications, ensuring reliability under heavy usage.

Education

Maharaja Agrasen University
Bachelor of Engineering (B.Tech)

Certifications

- Sharpener Tech MERN Training
- MERN - Full Stack Developer
- GAIT - AIR 7000 Rank 2022

Projects

Fintech / Wealth Management

- Designed a user interface using React, including a dashboard for financial data visualization.

- Implemented interactive graphs and pie charts for better data representation and analysis.

Expense Tracker App

- Developed a dynamic web application replicating key features of Popular Expense Tracker App
- User Authentication: Implemented robust user authentication for verification purposes.
- User Dashboard:Provided users with a dashboard featuring three tabs:Description: Details of purchased items. Amount: Tracking of total expenses. Category: Categorization of purchased products
- Technology Used:
- Frontend - HTML, CSS,React.js,Redux JavaScript,Node.js,Express,mongodb, Mysql, Razorpay Method

E-commerce Website

- Developed a feature-rich e-commerce platform using React and Redux for state management.
- Implemented secure user authentication and an admin panel for managing products, orders, and users.
- Integrated MongoDB for efficient and scalable database management.
- Designed a responsive user interface to enhance the user experience across devices.

School Management System

- Designed and developed a role-based school management system using React and Redux for frontend state management.
- Implemented a multi-tier user hierarchy: SuperAdmin, Principal Admin, each with specific capabilities based on their roles.
- Developed secure authentication and authorization mechanisms to enforce role-based access control.