Harsh Jain

Software Developer(Backend)

Experienced Backend Developer with over 3 years of expertise in Node.js, Express, MongoDB, and microservices architecture. Proven track record in designing scalable systems and optimizing performance through caching, API design, and efficient query patterns. Passionate about building robust backend solutions for high-growth applications.

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SKILLS

Node.js | JavaScript (ES6+) | TypeScript | Express.js | Redis | Microservices Architecture | MongoDB

MySQL | NestJS | RESTful APIs | Message Queues (RabbitMQ) | API Security & Authentication

Docker | Third-Party API Integration (Google APIs, Postmark, Stripe) | Postman

API Documentation (Swagger) | Agile (Scrum) | JIRA | AWS(S3, EC2) | Git | GitHub

Server-Side Caching (Redis)

WORK EXPERIENCE

Software Developer
Tribulus Tech Solutions Private Limited

09/2024 - Present   *Hyderabad*
A client-focused software development company, currently delivering solutions for the cargo and logistics industry.

Achievements/Tasks

- Developed the entire backend architecture for the 24h Cargo application from scratch, ensuring scalability, performance, and maintainability.
- Designed and implemented RESTful APIs to support real-time cargo booking, shipment tracking, and delivery workflows.
- Designed a microservices-based architecture to separate core modules such as user management, email handling, customer registration, and company onboarding, and used RabbitMQ for asynchronous communication between services.
- Optimized API response times by implementing caching strategies and efficient query patterns.
- Implemented middleware for input validation and secure data transactions.
- Collaborated with frontend developers to create seamless API contracts and ensured smooth data flow across the application.
- Developed company-level customer registration and locker management modules, allowing customers to manage their shipments independently.
- Engineered a shipment and package management system where customers can create shipments (as packages), which can be consolidated, dispatched, and tracked across logistics stages.
- Implemented shipment status workflows with controlled transitions such as Created, InOriginWarehouse, InTransit,InCustomClearance InDestinationWarehouse, and Delivered.
- Integrated barcode scanning functionality to retrieve package information instantly, reducing manual input and improving operational accuracy.

WORK EXPERIENCE

Backend Developer(Node.js)
Mindboard,Inc

05/2023 - 08/2024   *Hyderabad*

A product-based startup focused on developing a tech-driven food delivery platform.

Achievements/Tasks

- Led the end-to-end backend development of the "Nabe Eats" food delivery platform, ensuring robust infrastructure and smooth application performance.
- Architected and optimized scalable APIs to support key features such as real-time order processing, customer account management, and restaurant coordination.
- Directed efforts in server configuration and database management, ensuring high availability, data integrity, and secure access for thousands of active users.
- Collaborated closely with cross-functional teams including frontend developers and product stakeholders to integrate new features while maintaining system stability and performance.
- Implemented clean code practices, with a strong focus on readability, maintainability, and future scalability across all backend modules.
- Engineered a caching strategy using in-memory data stores to reduce database load and improve API response times, resulting in enhanced performance and reduced server costs.
- Led the integration of Eatabit Printer Architecture, enabling real-time order receipt printing in restaurant kitchens to streamline operations and reduce order processing time
- Integrated Google Maps Geocoding and Places APIs to power precise address handling, location-based restaurant search, and delivery routing features.
- Managed secure file storage using AWS S3, handling media assets for over 4000 restaurants efficiently through seamless integration with Node.js file system modules.
- Implemented rate limiting middleware to protect APIs from abuse and ensure fair usage across users, enhancing overall system stability and security.

Node.js Developer
Code Craft Crew

07/2022 - 03/2023   *Noida*

A product-based company developing advanced surveying solutions for efficient data collection and analysis.

Achievements/Tasks

- Managed backend updates, maintenance, and feature enhancements to ensure seamless performance and continuous improvement.
- Designed and optimized APIs to support efficient data collection, analysis, and reporting within the Zamplia surveying app.
- Developed a communication and transaction feature between vendors and suppliers, streamlining procurement processes and improving operational efficiency.
- Integrated functionality to track product demand, inventory levels, and supplier availability, enhancing data-driven decision-making.
- Led a team of developers in implementing client and vendor requirements, providing technical expertise and strategic direction.
- Fostered a collaborative development environment, promoting innovation and problem-solving within the backend team.
- Spearheaded continuous improvement initiatives to enhance system performance, scalability, and reliability.
- Ensured comprehensive documentation of project requirements, technical specifications, and development processes for future scalability.
- Conducted code reviews and implemented best practices to maintain high-quality, maintainable, and efficient backend code.
- Optimized database queries and backend processes to improve system response times and reduce server load.

EDUCATION

Bachelor of Technology(Electronics Engineering)
Walchand Institute of Technology