

Jeet Wasti

Software Development Engineer

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WORK EXPERIENCE

EMICON ADVISORY SERVICES LLP

Software Engineer

October 2022 – Present | India - Present

- **Microservices & Monolith Architecture:** Engineered and maintained scalable backend modules—both microservices and monolithic—leveraging **TypeScript, Node.js, Express.js**, and **MongoDB**.
- **SCM Feature Development:** Developed a complete feature in Express.js to scan selected branches across all Supply Chain Management (SCM) systems, enabling efficient data retrieval and integration.
- **API Integration:** Collaborated with the frontend team to design and deliver microservice sub-modules, ensuring seamless integration with React-based features.
- **Authentication Microservices Development:** Led the design and implementation of secure microservices for authentication and authorization. Utilized OAuth 2.0 and integrated JWT token Authentications.
- **Random Search Optimization:** Implemented the **Random Search** feature using **Elasticsearch** for fast querying and **Kafka** for asynchronous data streaming, resulting in a **90% reduction in data latency** and an **85% improvement in search efficiency and responsiveness**.
- **Code Quality & Best Practices:** Conducted regular code reviews and testing to ensure high-quality code and minimize technical debt.

EMICON ADVISORY SERVICES LLP

Software Engineer Intern

August 2021 - September 2022

- Designed and implemented scalable microservices, fully aligned with **SDLC**, using **REST APIs** and ORM for database interaction.
- Engineered robust backend modules with **Node.js**, improving organizational efficiency, enabling data-driven decisions, and reducing approval times..
- Automated deployment and infrastructure management using **Node.js, Express.js, AWS Beanstalk, EKS, Jenkins**, and **Docker**.
- Built high-performance, real-time **RESTful APIs** to handle dynamic data parsing with optimal speed and reliability.
- Integrated **AWS Simple Notification Service (SNS)** for decoupled, event-driven communication between microservices and real-time alerting.

SKILLS

- **PROGRAMMING:** TypeScript, JavaScript (ES6+), Python, SQL, PowerShell, Terraform, NoSQL, HTML5, CSS.
- **FRAMEWORKS /TOOLS:** Node.js, Express.js, React, Jest, Kafka, RabbitMQ, PM2, EJS, Git, GitHub, Jenkins, CI/CD, Docker, Kubernetes.
- **Cloud & DevOps Tools:** Amazon Web Services , AWS beanstalk, S3, EC2, EKS, SNS, AWS Ingress, CloudFormation.
- **Databases:** MongoDB, PostgreSQL, Supabase, MongoDB Atlas.
- **CORE SKILLS:** Data Structures & Algorithms, Object Oriented Programming, System Design, Problem Solving, SOLID Principles.

EDUCATION

LOVELY PROFESSIONAL UNIVERSITY

Master of Computer Application - 8.3/10

August 2020 - May 2022

LOVELY PROFESSIONAL UNIVERSITY

Bachelor of Computer Application - 7.9/10

August 2017 - May 2020

PROJECTS

B2B COMMERCE - Live Project

- Developed scalable backend services using **Node.js** and **Express.js**, focusing on clean **API architecture** and optimized **relational database design**.
- Achieved **99% uptime**, ensuring consistent and reliable global data access for enterprise users.
- Implemented secure **middleware logic** for role-based **authentication and authorization**, enhancing application security.
- Designed and built enterprise-grade API features aligned with **Functional Requirement Specifications (FRS)** from business stakeholders.
- Wrote unit and integration tests using Jest, ensuring robust test coverage and reliability of backend services.
- Optimized database with Redis and ensured reliability with Postman API testing.
- Help DevOps team to manage production pods and also created multiple ingress services.

Airbnb Hotel Backend

- Architected and developed a high-performance hotel booking platform backend using **Node.js**, with **decoupled microservices** for User, Hotel & Admin, Booking, and Payment domains.
- Leveraged **Apache Kafka** for asynchronous, fault-tolerant event communication across services, enabling real-time workflows like booking-to-payment orchestration.
- Implemented **Elasticsearch** with nested document modeling and **fuzzy search capabilities** to power typo-tolerant, multi-criteria hotel and room discovery (by city, price, and room type).
- Applied **Object-Oriented Programming (OOP)** and **SOLID design principles** to ensure clean, maintainable, and extensible service codebases.
- Secured services with **JWT-based authentication** and **role-based access control (RBAC)** to support multiple user roles (admin, host, guest) across services.

Distributed E-commerce System – Kafka & Elasticsearch

- Designed and implemented high-performance backend services using **Node.js** and **Express.js**, featuring **RESTful APIs** and normalized relational database models.
- Maintained a **stable and dependable system**, ensuring smooth and continuous data access for enterprise-scale operations using **Kafka**.
- Developed and integrated **secure middleware logic** for **role-based authentication and authorization**, significantly strengthening overall **application security**.
- Enhanced product discoverability by implementing **Elasticsearch** for fast, intelligent search and filtering in a high-traffic distributed e-commerce environment.