Himanshu Teotia

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PROFESSIONAL SUMMARY

Senior Backend Engineer with extensive experience in Node.js, TypeScript, and microservices architecture. Proven track record in modernizing legacy systems and enhancing backend performance for high-traffic, mission-critical platforms. Skilled in AWS, Docker, Kubernetes, RabbitMQ, and automation tooling. Known for building scalable, real-time systems and fostering cross-functional collaboration to deliver reliable solutions. Committed to clean code principles and resilient backend design.

SKILLS

Nodejs   Nextjs   Javascript   Typescript   Mongo   Reactjs   Cursor   AWS   Github Copilot   Redis   Docker   Kafka

RabbitMQ   Jest   Elastic Search   Jenkins   SSE Events   Automation   NLP

WORK EXPERIENCE

Senior Backend Developer at Valuelabs Inc, Dubai
June 2024 - Present

Helped ENBD Bank by supporting multiple teams over the past few months in successfully migrating their projects from Java to Node.js as part of a broader tech stack transition.

Senior Software Developer at Webuildbots, London (Remote from India)
April 2020 - June 2024

Built a feature-rich conversational AI chatbot and led the backend team, with a special focus on managing the analytics module where most of the heavy lifting was done. The chatbot included functionalities like utterance labeling, agent handover, content management, third-party integrations, dynamic forms, Rasa and NLP integration, GPT-based responses, messaging queue support, and detailed analytics.

Senior Backend Developer at Skyrim Sdn. Bhd, Kuala Lampur, Malaysia
January 2018 - December 2020

Built an on-premise chatbot solution for multiple clients, including the Malaysian government, to resolve key issues faced in the EPF bot. Key features included dynamic forms, secret value masking, removal of button text limits, a custom content management dashboard, one-click AI engine training, live agent support, and detailed analytics.

Software Developer at Daffodil Software Ltd, India
September 2015 - November 2017

An e-commerce website where multiple stores can sell products, featuring translation support, backend web services, social site logins, and frontend UI development.

Web Designer at GFN D'Selva Infotech, India
October 2014 - April 2015

ACHIEVEMENTS

- Led the backend modernization initiative for Emirates NBD (ENBD) by helping migrate critical services from legacy Java-based architecture to Node.js, resulting in improved development speed, better scalability, and reduced infrastructure costs.
- Engineered scalable, real-time backend systems using Node.js and TypeScript, supporting over 5 million users monthly and processing millions of messages within days, meeting high-performance benchmarks.
- Implemented RabbitMQ to improve multi-channel message delivery ensuring reliable, low-latency communication between systems.
- Implemented advanced caching strategies with Redis to reduce latency and offload database reads, leading to a 30–40% performance improvement in response times for critical endpoints.
- Reduced AI infrastructure costs by integrating Typesense as a search engine, replacing GPT-based lookups for common tasks, leading to 60–70% API cost reduction.
- Built a full-stack AI layer with NLP capabilities like intent detection, entity recognition, sentiment analysis, and GPT-based response generation, integrated with RASA and custom rules engines.
- Built interactive chatbot interfaces using React.js, integrated with backend APIs and iframe-based plugins, enabling dynamic form rendering, masked inputs, and conditional flows based on NLP results.
- Integrated React with socket-based live updates to support real-time data syncing (e.g., in conversation dashboards or agent handover views), powered by backend WebSocket services and event queues.
- Established a shared contract and versioning strategy for Kafka message schemas using JSON and Avro formats to ensure backward compatibility during service updates.
- Collaborated with frontend teams to design and expose reusable backend APIs and data contracts, enabling consistent integration across React-based admin dashboards and user interfaces.