

PROFESSIONAL EXPERIENCE

Unlimits

Gurugram, India

Senior Backend Developer

May 2025 – Present

- o Designed and built a scalable backend platform using **Node.js, TypeScript, and Strapi**, powering core modules such as user onboarding, content management, and AI-driven workflows.
- o Implemented secure authentication and authorization using **AWS Cognito and JWT**, supporting role-based access control and multi-environment deployments.
- o Developed high-performance REST and real-time APIs using **Express and WebSockets**, enabling low-latency communication and event-driven features.
- o Built data-intensive services on **PostgreSQL** and **Redis**, designing optimized schemas, indexes, and caching layers to improve query performance and reduce API latency by over 40%.
- o Implemented an AI-powered **RAG pipeline** using vector stores (Redis/Supabase) and OpenAI APIs to enable semantic search, contextual memory, and intelligent recommendations.
- o Integrated critical business systems including **payments, notifications, and background job queues**, ensuring reliable transaction processing and asynchronous workflow execution.

Factacy Private Limited

Gurugram, India

Backend Developer

Oct 2023 – May 2025

- o Spearheaded the Implementation of Robust Backend Architecture: deployed a scalable backend architecture using Node.js, Express, Typescript and Nginx on Azure VM and Azure Apps. Achieved a 25% reduction in deployment times by integrating CI/CD pipelines using GitHub Actions.
- o Leveraged **Azure Functions** for SaaS Product: Utilized Cosmos DB triggers and HTTP triggers to build a fully operational SaaS product in javascript and nodejs, which streamlined data processing and reduced operational costs by 20%..
- o Enhanced Search Functionality: Deployed and Incorporated **Apache Solr** to enhance website text-based search capabilities, cutting costs by 15% and ensuring search functionality remained cloud-agnostic.
- o **Dockerized** the application to ensure code isolation and utilized Docker Networking for seamless inter-container communication.
- o Proficient Handling of JSON Data : Managed complex JSON data structures while working with **CosmosDB, MongoDB, and PostgreSQL** improving data retrieval speeds by 35%.
- o Managed and automated the deployment of 15+ Azure VMs using **Ansible** playbooks, reducing manual intervention by 60
- o Aiding ML Engineers in model deployment by automating environment creation using enhancing overall system efficiency by 25%.

Technocraft Solution

Agra

Software Developer

July 2020 – July 2021

- o Developed and maintained backend services using JavaScript, TypeScript, and Node.js, with a focus on robust API creation.
- o Collaborated on full-stack projects by designing and implementing **frontend** interfaces using HTML, CSS, JavaScript, and **React**.
- o Optimized application performance by integrating **Redis** for caching and managing data storage using **MongoDB**.

TECHNICAL SKILLS

Programming Languages: JavaScript, HTML5, CSS, C++, Python, Go, Typescript

Frameworks and Libraries: React.js, Node.js, Deno, Flask, FastAPI, Axios

Backend and Databases: Node.js, MongoDB, CosmosDb, PostgreSQL, GraphQL

Tools and Platforms: Git, Github, Microsoft Azure, Firebase, Razorpay, Stripe

Other Skills: Data Structures and Algorithms, Docker, Kubernetes, IAC, TerraForm, Apache Solr, Elastic Search, Serverless Computing

PROJECTS

- **PDF AI Helper (pdfaihelper.com)**: Developed a full-stack AI-powered document intelligence platform that allows users to upload PDFs and interact with them using natural language. Built scalable backend APIs using **Node.js** and **PostgreSQL** for file ingestion, text extraction, semantic search, and question-answering using **RAG pipelines** with vector databases and LLMs. Implemented optimized query pipelines and caching to ensure low-latency responses for large documents.
- **Data Portal – Startup Investors**: Developed a secure and scalable backend system using **Node.js** and **Express**, handling over 10,000 API requests daily. Integrated the **Razorpay API** for PCI DSS-compliant payment processing, ensuring a 99.9% transaction success rate. Reduced API latency by 35% through efficient server-side timeout logic. Optimized server resource utilization under high traffic by implementing rate-limiting and debouncing techniques. Enhanced data security with robust **JWT-based authentication** and authorization mechanisms, ensuring zero data breaches.
- **Natural Language to SQL Query API**: Developed a backend API using **Node.js** and **Express.js** that enables querying a PostgreSQL database with natural language prompts. Leveraged OpenAI's **GPT-4** to generate SQL queries from user input, improving database accessibility. Key technologies: **Node.js**, **Express.js**, OpenAI **GPT-4** API, **PostgreSQL**.

EDUCATION

Galgotias University

MCA in Cloud Computing, CGPA: 8.2/10

Gurgaon

Sep 2022 – Jun 2024

Banaras Hindu University

BSc in Food Technology, CGPA: 7.8/10

Varanasi

2017 – 2020