VIPUL JAIN

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Portfolio: vjain0745.github.io

New Delhi, India | Open to relocation | Visa sponsorship required | Available for remote interviews

Senior Backend / Full Stack Engineer with 7+ years of experience building scalable, secure, and high-performance web platforms across fintech, AdTech, and enterprise domains. Strong focus on **Node.js, NestJS, TypeScript, ReactJS, NextJS, Angular, and cloud-native AWS architectures**. Proven track record in microservices, event-driven systems, and **AI-powered automation using LLMs and RAG**. **Experienced in Agile/Scrum environments, providing technical leadership, mentoring engineers, owning system design,** and collaborating with cross-functional stakeholders to deliver systems serving millions of users**.**

Technical Skills

- **Languages:** JavaScript (ES6+), TypeScript
- **Backend:** Node.js, NestJS, ExpressJS, REST, GraphQL, Microservices, Event-Driven Architecture
- **Frontend:** React, Next.js, Angular
- **UI**: HTML, CSS/SCSS, Material, Tailwind
- **Cloud & DevOps:** AWS (Lambda, API Gateway, SQS, SNS, S3), Docker, Kubernetes, Jenkins, GitHub Actions
- **Databases & Messaging:** PostgreSQL, MongoDB, DynamoDB, Redis, Kafka, RabbitMQ
- **AI & Automation:** LLMs, MCP Frameworks, RAG, LangChain
- **Observability & Testing:** Prometheus, Grafana, Kibana, Datadog, Jest, Cypress, Playwright

Professional Experience

Virtusa Middle East – Lead Software Engineer   (Nov 2024 – Present)
(Client engagements: Emirates NBD, The Walt Disney Company)

- Architected NestJS microservices handling 10,000+ RPS with 99.9% uptime, enabling stable multi-region deployments for high-traffic fintech platforms.
- Designed Kafka-based event pipelines processing millions of events per month with fault tolerance.
- Built LLM-powered automation agents (MCP + RAG), reducing repetitive operational workload by 35%.
- Standardized CI/CD pipelines, reducing deployment time from 60 minutes to under 15 minutes.
- Owned system design decisions for scalable, high-availability services in a distributed microservices architecture.
- Mentored junior engineers and conducted design/code reviews to enforce best practices.

Ernst & Young (EY) – Full Stack Developer / Team Lead   (Sep 2023 – Oct 2024)
(Client engagements: Tata AIG)

- Led a 6-member team delivering Node.js and React platforms, improving insurance claim processing by 20%.
- Designed AWS Lambda- and SQS-based systems, reducing infrastructure costs by 15%.
- Improved frontend performance (Angular), reducing page load times by 35%.
- Increased automated test coverage from 50% to 75%, reducing production defects by 30%.

NeoSoft Technologies – Full Stack Developer   (Oct 2021 – Aug 2023)
(Client engagements: Deloitte, Viacom18, Network18)

- Developed Angular, React, and Node.js applications supporting 5,000+ concurrent users.
- Migrated REST APIs to GraphQL, reducing over-fetching by 40%.
- Optimized database queries, improving response latency by up to 500 ms.
- Implemented centralized logging, reducing MTTR from 2 hours to 30 minutes.

AdGlobal360 – MEAN Stack Developer   **(Mar 2021 – Nov 2021)**
- Built a real estate lead management system handling 2,000+ monthly leads.
- Optimized APIs and caching layers, reducing response times from 1.2 s to 400 ms.

Freelancing – Full Stack Developer   **(June 2018 – Feb 2021)**
- Delivered end-to-end full stack solutions for startups and small businesses using Node.js, React, and MongoDB.
- Designed REST APIs, authentication flows (JWT), and role-based access systems.
- Built scalable backend services and operational dashboards supporting 5K+ users.
- Worked directly with clients to gather requirements, estimate timelines, and deliver features independently.

Key Projects

- AI Workflow Automation Platform – Built agent-based automation using MCP + RAG, reducing manual operations by 35%.

Open Source & Achievements

Published npm package **'local-load-balancer'** – a Node.js-based local load balancer supporting r**ound-robin and weighted strategies**, used by developers for local testing and performance experimentation.
Url - https://www.npmjs.com/package/local-load-balancer
Received the **GEM Award at Emirates NBD** for driving improvements in developer experience and the API ecosystem.

Education

Bachelor of Technology in Computer Engineering,   **(2014 – 2018)**
Dr. A.P.J. Abdul Kalam Technical University