Dhaval Vaishnav

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Summary

Senior Full-Stack Engineer with **4+ years** of expertise in **high-concurrency backend systems** and **full-cycle product ownership**. Proven **self-starter** with a track record of translating **Proof of Concepts (PoC)** into scalable production environments by driving **system architecture** and **low-latency REST API design**. Specialized in **real-time systems**, **cloud infrastructure (AWS/Docker)**, and **end-to-end observability**, while establishing **engineering benchmarks** and demonstrating **strong collaboration skills in remote-first teams** to accelerate delivery cycles.

Skills

Backend/Frontend: Node.js, Express, NestJS, Bun, Elysia, Flask, Python, TypeScript, JavaScript, REST API, Microservices, WebSockets
Data: MongoDB, MySQL, PostgreSQL, Microsoft SQL Server, Redis (Caching & Pub/Sub), Apache Airflow (ETL Data Pipeline), Apache Kafka (Core)
Infra/Tools: Docker, AWS (EC2, S3), Bitbucket CI/CD, Grafana, Prometheus, Prisma ORM, Git

Experience

Ainocular   Mumbai (Remote)
Senior Backend Engineer   May 2024 – Present

- **98.9% system uptime** maintained for customer-facing APIs handling **3M–5M daily requests** through robust **backend service orchestration** and infrastructure scaling.
- **70% reduction in CDN costs** achieved during peak marketing campaigns by architecting a **layout-aware image optimization strategy** and enforcing automated performance budgets.
- **40% shorter release cycles** delivered via **Docker containerization** and automated **Bitbucket CI/CD** pipelines, significantly accelerating the path from development to production.
- **30% reduction in developer onboarding time** through standardized data access via **Prisma ORM**, automated **database migrations**, and **schema versioning** using robust, **type-safe query patterns**.
- **45% reduction in API latency** across high-traffic hot paths delivered via **REST API** optimization with **Express** and **Elysia** alongside **Redis caching** and strategic database query tuning.
- **5+ engineers mentored** on **code quality** and **system architecture**, boosting **delivery pace** through **developer-centric solutions**, optimized **Developer Experience (DevEx)**, and streamlined **third-party integrations**.
- **30% faster page load times** and **45% lower image payloads** secured by implementing **WebP/AVIF formats** and **CDN-based responsive image optimization** across all user-facing pages.
- **100% automated database synchronization** across **MySQL, PostgreSQL, and Microsoft SQL Server** implemented via **Apache Airflow ETL data pipelines** for streamlined business reporting and operational workflows.
- **30% reduction in Mean Time to Recovery (MTTR)** achieved by deploying end-to-end **observability** with **Grafana** and **Prometheus** for proactive system health monitoring.
- **Scalability for 2M+ monthly users** enhanced by building a **dynamic image utility API** to standardize **transformations, caching, and rendering** across distributed microservices.

Arxena   Mumbai (Remote)
Backend Engineer   Sep 2023 – Apr 2024

- **Optimized communication workflows** expanded through the integration of official **WhatsApp Business APIs**, **Baileys (WebSockets)**, and **Google API** scheduling automation.
- **500+ concurrent users** supported during peak traffic via high-availability **REST APIs** built with **NestJS** and **Flask** to ensure absolute platform stability.
- **20% performance boost** across **MongoDB** datasets of **100K+ records** through **strategic schema indexing** and performance-driven **query-plan tuning**.
- **High-engagement real-time features** delivered using **Socket.IO** to enable **low-latency**, bi-directional event-driven data flows for critical user interactions.
- **70% reduction in manual overhead** achieved by integrating **OpenAI-powered** chatbots into support workflows, automating initial conversations and data gathering.

EassyLife   Mumbai
Software Developer   Apr 2022 – Sep 2023

- **100% data accuracy** ensured for business-critical **financial transactions** through secure **payment workflows** and reliable data handling logic.
- **70% reduction in manual effort** via **automating payout systems**, effectively ensuring high **accounting precision** and operational efficiency for the finance team.
- **30% faster issue resolution** achieved by implementing **centralized logging** and **trace-back systems** to identify production failures instantly.
- **97% system uptime** sustained across **AWS EC2** cloud environments through **proactive monitoring** and rapid resolution of server-side incidents.
- **30% decrease in production bugs** achieved by implementing modular **Unit Tests** and leading rigorous **Peer Code Reviews** to maintain high delivery standards.

Roxon Technologies   Surat
MEAN Stack Developer   Jan 2021 – Apr 2022

- **Core module delivery** for the Airline Cargo System (ACS) through the development of reusable **Angular 10** UI components, **Angular Material** design themes, and seamless **REST API** integrations for end-to-end feature deployment.

Education

Master of Computer Applications   2019 – 2021
CHARUSAT University, India   **GPA: 9.0/10.0**

Bachelor of Computer Applications   2015 – 2018
VNSGU University, India   **GPA: 7.8/10.0**