

# Dinesh Bhadane

## Senior Backend Engineer

(+91) 8200693955 | [bhadanedinesh49@gmail.com](mailto:bhadanedinesh49@gmail.com) | [linkedin.com/in/iamdb](https://linkedin.com/in/iamdb) | [github.com/Dinesh3098](https://github.com/Dinesh3098) | [dineshbhadane.com](https://dineshbhadane.com) | Delhi, India

### SUMMARY

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**Senior Backend Engineer** with **5.5+** years building distributed systems and real-money gaming platforms on AWS. Scaled production traffic to **~700K requests/min** and owned payment infrastructure processing **Rs. 5 Cr daily** and **30 Cr+ in-game transactions**. Proven in fault-tolerant event pipelines, payments correctness, and reliability through strong **observability and incident ownership**, owning the full path from system design through production operations and mentoring.

### WORK EXPERIENCE

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#### Senior Backend Engineer / Founding Engineer

*Jumbo*

Jun 2024 – Present

*Delhi, India*

- Built and scaled backend services for a real-money gaming platform processing **~700K requests/min**, **Rs. 5 Cr peak payment volume**, and **30 Cr+ in-game transactions** across Ludo, Fantasy, Jackpot, and LevelUp.
- Architected and owned the **Fantasy Sports platform** from design to production, defining service boundaries, PostgreSQL schema, and REST API contracts.
- Designed and developed **core financial infrastructure** including a multi-currency wallet ledger, payment service, transaction history service, and a risk engine for payout validation and fraud checks.
- Integrated **Razorpay, Cashfree, and Paytm** with intelligent gateway routing and automated payment reconciliation, eliminating manual wallet correction workflows.
- Reduced backend traffic by **~50%** by implementing CDN caching with optimized Cache-Control strategies and cache invalidation.
- Improved system performance using **Redis**, migrated analytical workloads to **ClickHouse** through ETL pipelines, and optimized high-volume PostgreSQL queries.
- Developed **DigiGold buy/sell workflows** using Augmont APIs along with Jumbo and Cherry gift-card ordering systems, including automated cleanup jobs for failed and orphaned transactions.
- Built an **AWS SQS-based event processing pipeline** for server-side attribution, integrating Singular, CleverTap, Entity Sports, Augmont, and Linkrunner.
- Diagnosed and resolved a critical **PostgreSQL connection exhaustion** issue causing **~40% order failures** under production traffic.
- Owned backend services across **payments, wallet, gaming, DigiGold, shop, and risk**, leading deployments, production support, code reviews, and mentoring engineers.
- **Technologies:** Node.js, NestJS, TypeScript, PostgreSQL, TypeORM, MongoDB, Redis, ClickHouse, AWS (Lambda, SQS), Docker, Kubernetes, Kafka, REST APIs.

#### Software Engineer

*SkyeAir (via CodeChavo)*

Apr 2023 – Apr 2024

*Gurugram, India*

- Designed and built a **serverless backend** for SkyeUTM and RPTO, drone unmanned-traffic-management products.
- Engineered a **deconfliction system** ensuring safe vertical and horizontal separation between drones, scaling to **1,000+ drones** running live.
- Developed APIs for user roles, drone registration/management, and RPTO batch handling on AWS Lambda, DynamoDB, EventBridge, Redis, and WebSockets.

**Software Engineer**  
*VHM Infotech*

May 2022 – Mar 2023  
*Ahmedabad, India*

- Led a team of **three** to deliver multiple products end to end, choosing technologies per project needs.
- Architected and built the backends for **Skillsture** and **eAutoGen**, integrating GraphQL APIs with React admin dashboards.
- Implemented **Socket.IO** real-time messaging (chat, group creation and management) for Mgram, and integrated Zoom Meeting API, Stripe, and IPay88.

**Software Engineer**  
*Quoality*

Dec 2020 – Apr 2022  
*Remote, India*

- Built the backend from scratch for **The Hosteller**, one of India's largest backpacker hostel chains (50+ properties).
- Built a custom reservation flow integrating eZee APIs to increase direct guest bookings.
- Delivered APIs on Node.js/Express with AWS Lambda, S3, SES, MongoDB, and Razorpay payments.

## TECHNICAL SKILLS

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**Languages:** TypeScript, JavaScript, Python, SQL

**Backend:** Node.js, NestJS, Express.js, REST, GraphQL, WebSockets, Microservices, Event-driven, Kafka, System Design

**Databases & ORMs:** PostgreSQL, MySQL, ClickHouse, MongoDB, Redis, DynamoDB, TypeORM, Mongoose

**Cloud (AWS):** Lambda, EC2, EKS, S3, API Gateway, SQS, EventBridge, ElastiCache, Cognito, CloudWatch, Route 53

**DevOps & Tools:** Docker, Kubernetes, NGINX, CI/CD, Datadog, Tailscale, Git

**Integrations:** Razorpay, Cashfree, Paytm, Augmont, Singular, CleverTap, LinkRunner, PostHog, Mixpanel

## EDUCATION

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**Bachelor of Engineering, Computer Engineering**  
*Gujarat Technological University*

2016 – 2019  
*Ahmedabad, India*

**Diploma, Computer Engineering**  
*Gujarat Technological University*

2013 – 2016  
*Ahmedabad, India*

## LICENSES & CERTIFICATIONS

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**Full Stack MERN Bootcamp** – LearnCodeOnline.in

**Python: Go From Beginner to Advanced** – Udemy

**Prompt Engineering for Everyone** – Cognitive Class