

# DHEERAJ BHAVSAR

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## Summary

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Seasoned Backend Web Application Engineer with 4+ years of experience delivering scalable and distributed backend systems for web and mobile products.

Experienced in leading cross-functional teams to build scalable solutions using Node.js, FastAPI, Flutter, and major cloud platforms (AWS, GCP, Azure). Passionate about driving innovation, optimizing system performance, and delivering high-impact results in fast-paced environments.

## Technical Skills

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- **Languages:** Python, JavaScript, TypeScript, Swift, Dart
- **Technologies/Frameworks:** FastAPI, Node.js, Express.js, NestJS, Kafka, Docker, Kubernetes, RabbitMQ, Airflow, Asterisk, WebRTC, iOS, Android, Flutter, ReactJS, NextJS
- **Databases/Data Stores:** MongoDB, Postgres, MySQL, Vector Databases, Neo4j, Redis, Firebase
- **GenAI Frameworks and Tools:** Langgraph, Langchain, CrewAI, LlamaIndex, Retrieval Augmented Generation (RAG), GraphRAG, Huggingface, Model Context Protocol (MCP)
- **Cloud Services:** GCP, AWS, Azure, Langsmith, New Relic, Datadog, Grafana, Kibana, Cloud Watch, Sentry, Firebase
- **Others:** REST APIs, Microservices, DevOps, Scrum and Agile Methodologies

## Education

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**Bachelor of Engineering, Computer Science and Engineering**  
Technocrats Institute of Technology, India

8.58 CGPA  
2016–2020

## Experience

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QuesttAI [↗](#)

Bengaluru, India

**Engineering Manager**

Sep 2025–Present

- Owned end-to-end system architecture and technical strategy across all major client and internal platforms, driving design decisions around scalability, data security, multi-tenant isolation, and GenAI system reliability.
- Led infrastructure, DevOps, and cloud cost optimization initiatives across AWS, GCP, and Azure; introduced environment isolation (stage/prod), CI/CD automation, observability, and pricing-aware architecture, resulting in sustained performance improvements and significant cost savings.
- Managed project execution end-to-end including requirement breakdown, resource allocation, delivery timelines, and cross-team coordination; acted as the single technical owner ensuring predictable delivery across multiple parallel enterprise projects.

**Software Development Engineer II**

Oct 2021–Sep 2025

- Architected and developed an AI-driven retail analytics platform for **House of Anita Dongre**, integrating multi-source data (Wondersoft, SAP, MSSQL, Vinculum, Zoho) into a centralized data lake and building a ChatGPT-style conversational agent with custom MCPs and KPIs dashboards to drive Store-level and SKU-level decisions at scale.
- Built an email-support bot for **Motilal Oswal Financial Services Limited**, India's one of the largest AMC, automatically triaging and replying to **2,000+** customer emails per day via a Langgraph-driven Multi-Agentic AI RAG pipeline, achieving **96%** first-touch resolution.
- Delivered an end-to-end procurement-audit pipeline for **LivSpace**, integrating Zoho CRM and OCR models for three-way reconciliation (PO – Invoice – GRN), cutting all the manual auditing effort.
- Led the creation of **Morrie** for Students—an AI tutor that lets learners upload any PDF and get curriculum-independent help; fused LLMs with structured & unstructured knowledge graphs, boosting student engagement and learning outcomes by **33%**.
- Architected and implemented a personalised study-plan algorithm that auto-generates daily tasks, revision tests, and mock exams; raised average student exam scores by an average of more than **20%**.
- Migrated Questt's ed-tech platform from a PHP monolith to distributed micro-services architecture using Node.js, slashing cloud spend by more than **5 lakh/month** and unlocking independent service scaling.
- Developed Online Live Classes Platform by leveraging WebRTC and a 24×7 doubt-resolution system, adding a new revenue stream of more than **1 crore/month**.
- Engineered a real-time challenge service with Redis-backed leaderboards; increased user activity by more than **40%** and retention by **25%**.

MobCast [↗](#)

Mumbai, India

**Senior Software Engineer**

Jul 2021–Oct 2021

- Optimized APIs and databases, achieving significant performance improvements and scalability for high-volume use cases by indexing and reducing database queries.

- Transformed form-based applications by making the UI backend-driven, enabling dynamic content rendering and reducing time-to-market for new features.
- Engineered bridging between Native iOS and Flutter, enhancing code efficiency and reducing development time.

**Squareboat Solutions Pvt. Ltd.** [↗](#)

**Gurugram, India**

### **Software Development Engineer**

Jul 2020–Jul 2021

- Collaborated with Mobile and Backend teams to deliver production-grade applications across Ed-Tech, Health-Tech, Cyber Security, Fin-Tech, and Travel domains, impacting over 10M+ users collectively.
- Implemented **SAML**-based authentication from scratch. Integrated **SSL pinning**, **MITM** attack detection and other security measures, reducing security vulnerabilities in iOS apps at Safe Security.
- Set up automated CI/CD pipelines using Jenkins and Fastlane across on-prem Mac machines and AWS, cutting iOS and backend release cycle time and improving deployment reliability.

### **Awards & Achievements**

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- Award of Appreciation for **Outstanding Performance** at Squareboat (2020)
- Qualified ENIGMA 2K18 (TechFest IIT Bombay) and earned Wild Card entry to **IIT Bombay TechFest** (2018)

### **Personal Projects**

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#### **App Review Bot – Slack App**

A Slack app that fetches the latest App Store and Google Play Store reviews and posts them to a Slack channel. Allows different channel distribution based on rating.

#### **Umeeed – Community Platform for Blood Donations**

A social community platform focused on health, fitness, and blood donations. Facilitates connections between donors and receivers based on blood group and location.

#### **OpenUp – Talk to Strangers & Learn Spoken English**

A platform for English learners to improve speaking and listening skills through anonymous voice and video calls with peers worldwide.

### **Personal Blogs**

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**Fall in Love with Recursion** [↗](#) • **Navigation and Networking in SwiftUI** [↗](#) • **Generic Codables – Swift** [↗](#)