

AKSHAY DOBARIYA

Full Stack Developer

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PROFESSIONAL SUMMARY

Backend-focused Full Stack Developer with 4+ years of experience building production-grade systems using TypeScript, JavaScript, Node.js, Express, PostgreSQL, MongoDB, Redis, and AWS. Experienced in REST APIs, backend architecture, transactional workflows, real-time systems, authentication, authorization, and integrations. Delivered ERP/MES, workforce management, venue ERP, financial accounting, and B2B/B2C platforms, with ownership across architecture, database design, development, testing, deployment, and observability. React.js experience includes personal projects and occasional team support; Next.js is used in personal portfolio work.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python

Frontend: React.js (personal projects / occasional team support), Next.js (personal projects), HTML, CSS, Tailwind CSS, Axios

Backend: Node.js, Express.js, REST APIs, API Design

Databases: PostgreSQL, MongoDB

ORM / ODM: Prisma, Mongoose

Architecture: Layered Architecture, Authentication, Authorization, RBAC, Transactions

Caching / Messaging: Redis, RabbitMQ

Cloud / DevOps: AWS S3, CloudWatch, Docker, GitHub Actions

Real-Time: WebSockets, Socket.IO

Security: JWT, RBAC, Rate Limiting, Field-Level Encryption

Testing / Observability: Playwright, OpenTelemetry, Sentry, Pino

Integrations: LINE APIs, Meta WhatsApp Cloud API, Twilio, CometChat

EXPERIENCE

SoftColon Technologies — Ahmedabad, India

Full Stack Developer | Jun 2022 – Present

- Working as a Full Stack Developer across multiple production applications and client projects.
- Responsible primarily for backend development, API design, database design, integrations, testing, deployment, monitoring, and production support.
- Building production backend services with Node.js, TypeScript, and Express; contributing occasional React.js changes when the team needs support.
- Working with PostgreSQL, MongoDB, Redis, AWS, real-time communication, authentication, and third-party integrations to deliver end-to-end product features.

PROJECTS

Set-Center

ERP & Manufacturing Execution System (MES) | Japan | Apr 2024 – Sep 2025

- Architected and developed the backend of a production ERP/MES platform from scratch using Node.js, TypeScript, Express, PostgreSQL, and Prisma, covering 50+ relational models and complex manufacturing workflows.
- Designed manufacturing and inventory workflows covering production scheduling, timeline allocation, real-time production monitoring, automated end-of-day roll-forward, and raw-material traceability.
- Built document automation across 20+ master entities, generating Japanese business reports, delivery slips, shipping documents, and operational PDFs using Playwright and pdf-lib, with AWS S3 document storage.
- Implemented real-time synchronization using WebSockets and LINE Bot / LINE Works Webhooks for production, dispatch, and order-related notifications.
- Contributed to frontend changes and API integrations when required, supporting end-to-end feature delivery.
- Developed JWT authentication, multi-level RBAC, rate limiting, structured logging, AWS CloudWatch monitoring, and graceful application shutdown.

Shift-Kanri

Enterprise Workforce & Shift Management System | Japan | Mar 2026 – May 2026

- Architected and developed a workforce management platform extending the Set-Center ERP ecosystem using Node.js, TypeScript, Express, PostgreSQL, Prisma, and Redis.
- Engineered shift scheduling and workforce availability workflows including recurring availability, shift requests, conflict detection, bulk approvals, and role-based workflows.
- Built tablet-based attendance functionality supporting punch-in/out, work-hour tracking, overtime and break calculations, and workplace safety checklist validation.
- Implemented compliance and audit capabilities including immutable change history, leave management, fiscal-year working-hour tracking, and threshold monitoring.
- Implemented JWT access/refresh token rotation, LINE Login, OpenTelemetry, Pino, Sentry, Zod validation, and dynamically generated OpenAPI documentation.

EventNest / PartyPlot

Venue ERP & Financial Accounting System | India | Jul 2025 – Aug 2026

- Engineered an enterprise venue ERP and CRM platform using Node.js, Express, MongoDB, and Mongoose covering lead management, multi-venue bookings, invoicing, operational finance, and customer workflows.
- Built a WhatsApp-driven CRM workflow using Meta WhatsApp Cloud API for lead qualification, regional-language interactions, booking/payment notifications, automated follow-ups, customer support, and human handoff, reducing manual inquiry handling by 60%.
- Designed a concurrency-safe booking engine using Mongoose optimistic concurrency control to prevent double bookings.
- Developed a cascading financial ledger and reconciliation engine supporting cash, cheque, bank transfers, and UPI transactions.
- Implemented global database auditing using a custom Mongoose plugin for field-level before/after change tracking.
- Developed real-time operational features using Socket.IO including administrator broadcasts, user-specific notifications, and delivery/read tracking.

Shokunin Base

Skill-Based B2B/B2C Matching Platform | Japan | Jan 2023 – Mar 2024

- Architected and developed the backend for a skill-based B2B/B2C marketplace connecting users, skilled professionals, and businesses.
- Designed skill and work-preference matching workflows to generate relevant project and company recommendations.
- Implemented geospatial search and multi-criteria matching using MongoDB GeoJSON and 2dsphere indexes.
- Integrated LINE Messaging API and CometChat for real-time communication, recommendations, notifications, and messaging workflows.
- Designed scheduled MongoDB aggregation and caching pipelines, reducing administrative dashboard load times by 70%+ for complex analytics.
- Implemented RBAC and field-level encryption for sensitive KYC, tax, and insurance-related information.

EDUCATION

Bachelor of Technology in Computer Engineering — Gujarat Technological University

Ahmedabad, Gujarat | Jul 2019 – Jun 2023