

DIXIT JAYSWAL

Senior Software Engineer | Backend & Distributed Systems | AWS | Kafka
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PROFESSIONAL SUMMARY

Senior Software Engineer with 2.5+ years architecting AWS event-driven systems processing 1M–2.5M events/day for global enterprise clients including JERA (Japan). Promoted twice in 2.5 years. Led Detailed System Design for the J-VIS anomaly-detection platform and engineered a Kafka–Pinot streaming pipeline that cut reporting cycles by 80%. Seeking Senior Backend / Solutions Architect / Platform Engineering roles in cloud-native distributed systems.

TECHNICAL SKILLS

Cloud Architecture: AWS (Lambda, SQS, DynamoDB, EKS, S3, ECR), Azure (Event Hub, Active Directory), Docker, ArgoCD, Kong API Gateway

Distributed Systems: Apache Kafka, Apache Pinot, Debezium CDC, Snowflake, event-driven architecture, real-time streaming

Backend: Node.js, Express.js, TypeScript, REST APIs, WebSocket, GraphQL, microservices

Databases: PostgreSQL, MySQL, Amazon DynamoDB, data modelling, query optimisation

Security: OAuth2, MSAL, RBAC, Azure Active Directory

AI/LLM: Anthropic API, LLM orchestration, agentic AI workflows

Frontend: React.js, Vue.js, Next.js

Languages: TypeScript, JavaScript, Python, SQL

PROFESSIONAL EXPERIENCE

Senior Software Engineer | Thinkbiz Technology Pvt Ltd

Jun 2026 – Present

LMS — Location Management System (Ongoing)

- Architecting an Indoor Positioning System (IPS) module within an enterprise Location Management System — evaluating BLE beacons, Wi-Fi RTT, and geomagnetic fingerprinting for sub-room accuracy.
- Building an interactive floor-map editor with React-Konva for zone definition, beacon placement, and real-time position overlay.
- Led vendor evaluation and technical discovery for third-party positioning platforms, assessing accuracy, SDK integration effort, and TCO.

Sr. Full Stack Developer | Thinkbiz Technology Pvt Ltd

May 2025 – Jun 2026

J-VIS — JERA Vision Intelligence System (Client: JERA, Japan)

- Authored the Detailed System Design (DSD) for an enterprise anomaly-detection platform integrating external AI/ML image-analysis models for JERA — one of Japan's largest power companies.
- Engineered event-driven pipeline (AWS SQS → Lambda → DynamoDB) processing complex image-analysis results asynchronously at production scale.
- Architected the end-to-end alarm lifecycle — automated generation, state resets, remediation tracking — secured by granular RBAC with a Lambda-driven notification engine.
- Integrated Snowflake master-data fetch via Lambda and deployed an Amazon EKS pod synchronising user directories from Azure Active Directory.
- Diagnosed and resolved a critical pre-production dual-database flag mismatch in 90 minutes, protecting the client release timeline.

- Conducted technical discovery sessions with JERA stakeholders across a 3.5-hour timezone gap; presented architecture in client review sessions.
- Coordinated 12+ engineers across 5 cross-functional teams (DevOps, QA, Design, Frontend, external AI Model team).
- Executed a data migration workstream with zero initial documentation or client credentials; solution ran precisely as designed once access was granted.

Jugaad — Real-Time Report & Analytics Platform

- Led proof-of-concept through production of a Kafka → Apache Pinot streaming pipeline using Debezium CDC over live PostgreSQL — sub-second queries across 1M–2.5M events/day.
- Eliminated 80% of ad-hoc reporting overhead by shipping a self-serve reporting engine with drag-and-drop dashboards, real-time filters, and REST API export.
- Designed a zero data-loss AWS ingestion layer (Lambda, SQS, DynamoDB), replacing batch ETL entirely.
- Mentored 3 junior developers on the Kafka + Pinot stack; coordinated DevOps release workflows.

Jr. Full Stack Engineer | Thinkbiz Technology Pvt Ltd

Dec 2023 – May 2025

Uptime Monitoring System

- Built a real-time cloud monitoring platform (Vue.js, Node.js, WebSocket) with multi-channel alerting — automated calls, SMS, email, Azure ticketing — across 200+ monitored endpoints.
- Reduced MTTR from ~40 min to ~20 min (50%) by automating incident escalation and implementing structured RCA workflows with full audit trail; deployed on Docker + AWS.

JERA Power Plant Stoppage Management (Client: JERA, Japan)

- Integrated Azure Event Hub for near-real-time telemetry ingestion and anomaly detection across power plant stoppage events.
- Redesigned operator workflows from field feedback loops with Japanese plant staff, improving on-floor usability for non-technical operators.

SELECTED ACHIEVEMENTS

- Promoted twice within 2.5 years (Jr. Engineer → Sr. Full Stack Developer → Senior Software Engineer).
- Delivered Lambda-wise AWS cost breakdown in 10 minutes vs. 1+ hour baseline — 6x faster cloud cost diagnostics.
- Assumed Team Lead responsibilities during lead absence — task allocation, standups, uninterrupted delivery across 2 concurrent projects.
- Recognised by leadership for independent research, design thinking under pressure, and end-to-end ownership.

EDUCATION

B.Tech, Computer Science & Engineering

Nov 2020 – Nov 2024

Charotar University of Science and Technology (CHARUSAT) | CGPA: 8.80 / 10

Languages: English (fluent) | Hindi (native) | Gujarati (native)