

DIXIT JAYSWAL

Sr. Software Engineer · Backend & Distributed Systems · AWS Cloud Engineering
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PROFESSIONAL SUMMARY

Backend-focused Software Engineer with 2.5+ years delivering cloud engineering, bespoke software solutions, and data-led transformation projects for global enterprise clients. Specialized in AWS event-driven architectures processing 1M–2.5M events/day (Kafka, Lambda, SQS, DynamoDB) and real-time streaming pipelines with Apache Pinot. Led full system design and implementation for J-VIS, an enterprise anomaly-detection platform delivered to JERA (Japan) and built a Kafka–Pinot analytics platform that reduced reporting cycles by 80%. Experienced in cross-border client delivery, agentic AI workflows, and mentoring junior engineers across multi-region teams.

CORE COMPETENCIES

Cloud Engineering	AWS (Lambda, SQS, DynamoDB, EKS, S3, ECR, SES), Azure (Event Hub, AD), Docker, ArgoCD, Kong API Gateway
Data-Led Solutions	Apache Kafka, Apache Pinot, Debezium CDC, Snowflake, real-time streaming pipelines, analytics dashboards
Bespoke Development	Node.js (Express), TypeScript, REST APIs, Microservices, WebSocket, GraphQL, event-driven architectures
Agentic AI / Automation	AWS S3 + AI workflows, Anthropic API integration, autonomous content systems, agentic AI design patterns
Frontend Engineering	React.js, Vue.js, TypeScript, real-time dashboards, drag-and-drop UI, responsive design
Databases	PostgreSQL, MySQL, DynamoDB, Snowflake — data modelling, query optimisation, CDC pipelines
Auth & Security	OAuth2, MSAL, RBAC, Azure Active Directory, role-based access design
Quality & Delivery	System design documentation, API documentation, code review, RCA workflows, incident management
Languages	TypeScript, JavaScript, Python, Java, C++

PROFESSIONAL EXPERIENCE

Sr. Full Stack Developer · Thinkbiz Technology Pvt Ltd

Dec 2023 – Present

Ahmedabad, Gujarat, India · 2 years 6 months · multi-region enterprise client delivery

- ▶ **J-VIS — JERA Vision Intelligence System (Client: JERA, Japan)**
 - Led Detailed System Design (DSD) for enterprise anomaly-detection platform integrating external AI/ML image-analysis models with core operational workflows for JERA, one of Japan's largest power companies.
 - Engineered event-driven cloud pipeline (AWS SQS → Lambda → DynamoDB) for asynchronous processing and persistence of complex image-analysis results at production scale.
 - Architected end-to-end alarm lifecycle — automated alarm generation, state resets, and remediation tracking — secured by granular Role-Based Access Control (RBAC).

- Built cross-platform integrations: Snowflake master-data fetch via Lambda + Amazon EKS pod for Azure Active Directory user-directory synchronisation.
 - Resolved a critical pre-production bug (dual-database flag mismatch) in under 2 hours that had passed QA — protecting client release timeline.
 - Coordinated cross-functional delivery with DevOps, QA, Design, Frontend, and external Model teams across India–Japan timezones.
- ▶ **Jugaad — Real-Time Report & Analytics Platform**
- Led the proof-of-concept and full implementation of a Kafka → Apache Pinot streaming pipeline using Debezium CDC over live PostgreSQL data, enabling sub-second analytics queries across 1M–2.5M events/day.
 - Eliminated 80% of ad-hoc reporting overhead by delivering a self-serve dynamic reporting engine with drag-and-drop dashboards, real-time filters, and REST API export.
 - Designed scalable AWS ingestion layer (Lambda, SQS, DynamoDB) with zero data-loss SLA; mentored junior developers and coordinated DevOps deployment.
- ▶ **Uptime Monitoring System**
- Built real-time cloud monitoring platform (Vue.js + Node.js + WebSocket) with multi-channel alerting — automated calls, SMS, email, and Azure ticketing integration.
 - Reduced MTTR by 50% through automated incident escalation and 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-facing UI workflows based on field feedback, improving usability for non-technical floor staff; delivered cross-timezone with Japanese stakeholders.

Recognition & Leadership

- Stepped into Team Lead responsibilities during TL absence — task allocation, mentoring, delivery continuity.
- Delivered Lambda-wise cloud cost analysis in 10 minutes (vs 1+ hour standard) — demonstrating depth in AWS cost optimisation.
- Authored Detailed Design Docs (DSDs), API documentation, and onboarding material for J-VIS and Jugaad projects.

EDUCATION

B.Tech, Computer Science & Engineering

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

Nov 2020 – Nov 2024