

VIBHAV MISHRA

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SUMMARY

Engineer with 5+ years taking production systems from concept to scale, Focused on writing practical, clean code to solve real-world business and product requirements. Architected real-time and batch pipelines handling **10-12M+ events/day** across AWS and GCP (Kafka, SQS), and REST APIs sustaining **25,000+ req/min**. Owned 30+ enterprise integrations end-to-end for clients like Unilever, Cibil, Adani, and Bajaj Auto, from technical discovery through production support. Integrates AI-assisted tools (Claude, Claude Code, GitHub Copilot, ChatGPT) into daily workflow to accelerate development and code quality.

Target Roles: Senior Software Engineer, Data Engineer, Full Stack Engineer, Forward Deployed Engineer

Mobility: Available for Remote workflows and global on-site opportunities

TECHNICAL SKILLS

Data Engineering: Kafka, ETL/ELT, CDC Pipeline, real-time, batch processing, data modeling , Api integration

Backend & APIs: Node.js, NestJS, FastAPI, REST APIs, Authentication & Authorization

Frontend & Languages: Node.js, JavaScript (ES6+), Python, SQL, HTML5, CSS3

Databases & Warehouse: PostgreSQL, MySQL, BigQuery, MongoDB, DynamoDB

Cloud & DevOps: AWS (EC2, Lambda, SQS, SNS, S3, CloudWatch, IAM, EKS), GCP (BigQuery, GCS), Docker, CI/CD

Observability: CloudWatch, Grafana Loki

AI: Claude Code, GitHub Copilot, AI-assisted development & code review

Client-Facing: Solution architecture, POC & demo engineering, technical discovery, stakeholder communication

EXPERIENCE

WebEngage — Data Engineering, Integrations & Backend

Jun 2021 – Aug 2026 · 5+ yrs

Software Engineer

Apr 2025 – Aug 2026

- Architect and operate distributed pipelines processing 10-12M+ events/day across AWS and GCP at sub-second ingestion latency, using Kafka for high-throughput event streaming.
- Cut cloud cost 30% by migrating high-frequency workloads from Lambda to EC2, achieving higher throughput and no cold starts.
- Design real-time and batch architecture spanning CDPs, CRMs, data lakes and internal platforms with idempotent, zero-data-loss processing.
- Lead incident response and RCA for data-integrity issues; define ingestion contracts, schema validation and monitoring dashboards that reduce repeat data-quality escalations from enterprise accounts across the globe.
- Adopt AI-assisted tools (Claude, GitHub Copilot) in the daily workflow to speed up code reviews, debugging and documentation.

Senior Solution Engineer · Interim Team Lead

Apr 2023 – Mar 2025

- Interim lead for a team of 3, owning sprint planning, code reviews and technical decisions through a full leadership transition with zero delivery disruption or missed deadlines.
- Led end-to-end integration of 10+ third-party APIs, webhooks and connectors with bi-directional sync pipelines, cutting enterprise onboarding time by 40% and removing manual handoffs entirely.
- Built an event relay on Lambda + SQS with rate-limit handling, fault-tolerant retries and dead-letter queues, improving delivery reliability by 35%.
- Benchmarked client pipelines at 25,000+ API req/min, resolved throughput bottlenecks, and shipped modular POCs that cut average time-to-demo from three weeks to two days.
- Designed NestJS and FastAPI-based integration services to unify client data models across CDPs and internal systems, cutting average API response times by 20%.

Solution Engineer

Jun 2021 – Mar 2023

- Built an in-house ETL platform (Node.js, Express.js) running 30+ custom pipelines between CDPs, data lakes and WebEngage, serving key enterprise clients including Unilever, L'Oréal and Adani.
- Developed microservices integrating Zendesk, JIRA and Rocketlane on Node.js + Lambda for bi-directional sync across client tech stacks.
- Maintained message dispatch systems across ESP, WSP and SSP providers supporting millions of daily push, email and in-app interactions, cutting message delivery error rate by 90%.
- Built reusable React.js components, reducing frontend bug reports 25%.
- Modeled and optimized MongoDB and DynamoDB schemas for client integrations, improving query performance and reducing latency for high-volume enterprise workloads.

AWARDS & RECOGNITION

- **Delivery Par Excellence award** at WebEngage, recognised for high-impact delivery on enterprise integration projects — 2026
- **Rookie Rockstar award** at WebEngage, given for outstanding performance as a first-year engineer — 2022

CERTIFICATIONS

- **System Design**, Issued May 2024 · ID: UC-87812e38-6ab1-4c16-8f35-079a1d74d19b
- **AWS Certified Developer Associate**, Issued Apr 2023 · ID: UC-a20cae4f-7261-47e3-9a8f-e88746067c42