

# Satyam Oza R

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## Summary

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Forward Deployed Engineer and full-stack builder owning **agentic AI platforms, multi-tenant backends, and LLM infrastructure** at enterprise scale. I ship end-to-end from requirements and API contracts through QA to production—building systems that are scalable, observable, secure, and reliable in production.

## Education

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**Visvesvaraya Technological University**

Bachelor of Engineering in Electronics & Communication Engineering (CGPA: 8.85 / 10.00)

Sep 2018 - Aug 2022

Bengaluru, India

## Experience

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**Revsure AI Technologies Pvt Ltd**

Software Development Engineer II - Full Stack

May 2024 – Present

Bengaluru, India

- Shipped production **multi-agent platform** (LangGraph/LangChain, **Temporal** orchestration) processing **10K+ autonomous runs/month**; migrated all workflow nodes with backward-compatible feature flags, retries, timeouts, and activity-level observability.
- Built **event-driven agent architecture** using **GCP Pub/Sub + Cloud Functions** for Navattic, RB2B, Parallel.ai web monitors, and LinkedIn engagement triggers; implemented pause/resume/terminate, scheduling, and versioned agent configs.
- Architected **MCP servers** (FastMCP, Python) exposing **BigQuery + backend APIs** as LLM tools on **GKE** with RBAC and rate limiting; integrated MCP into **Reli chatbot** via dynamic tool injection and internal auth, reducing analyst workflows from hours to minutes.
- Delivered **OAuth 2.0 integrations** and agent tools for **Gmail, SendGrid, Calendly**, plus generic **Salesforce/HubSpot/Marketo/LinkedIn writeback** via Pub/Sub—enabling account research, enrichment, and personalized outreach end-to-end for enterprise tenants.
- Engineered **50+ Spring Boot REST APIs** for **Marketing Mix Modeling** (spend optimization, scenario planning, response curves, campaign allocation) with multi-tenant architecture and feature toggles, serving **100+ enterprise clients** at **99.9% uptime**.
- Optimized distributed queries across **ClickHouse, BigQuery, PostgreSQL, Firestore** (**60% faster** on **100M+** records); parallel LLM batching cut email generation latency **20s to 8s** per email; delivered **15+ React/Next.js** surfaces with API contracts through QA to production.

**CBREX**

Software Development Engineer - Full Stack

Oct 2022 – May 2024

Bengaluru, India

- Engineered invoice management SaaS with Next.js, React, TypeScript, and Java Spring Boot; integrated **ClearTax API** for GST compliance, processing **\$2M+** in multi-currency transactions annually.
- Built **AI-powered resume screening tool** using Python Flask, LLaMA 13B (HuggingFace), and Chrome Extension APIs, enabling automated candidate fit-score analysis with **85% accuracy** for talent acquisition teams.
- Optimized MySQL queries and indexing, reducing page load times by **25%**; managed **CI/CD pipelines** via Jenkins & Docker, deploying microservices to AWS EC2/ECS with auto-scaling and zero-downtime releases.

## Selected Technical Initiatives

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**Agentic AI Platform** | Temporal, LangGraph, Python, GKE

- Led **Temporal V2 migration** of all agent workflow nodes with backward-compatible LangGraph switching, Docker Compose local infra, and production validation across standard agents.
- Implemented parallel LLM batching for email generation (**20s** → **8s** per email on 100-email load test) and account research agent with guardrails, retry logic, and multi-strategy JSON parsing.

**Event-Driven & External Integrations** | Pub/Sub, Cloud Functions, OAuth 2.0

- Built **Cloud Function lifecycle manager** for event-based agent triggers with VPC connectors, IAM hardening, and subscribed topic management on create/delete flows.
- Integrated **Parallel.ai web monitor API** via data-hub event streams; LinkedIn engagement triggers through Autobound webhooks → Pub/Sub agent runs.

## Marketing Mix Modeling (MMX) | *Java, Spring Boot, ClickHouse, BigQuery*

- Delivered **region-level and hierarchical MMX** across spend optimization and scenario planner, including config metadata APIs and table schema migration with reconciliation logic.
- Shipped **response-curve-based campaign allocation**, pipeline projections toggle, and **DiD analysis** with dynamic quarter comparison for scenario planner and spend optimization widgets.

## Technical Skills

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**Languages:** Python, Java, JavaScript/TypeScript, SQL, HTML/CSS

**AI & ML:** LangChain, LangGraph, FastMCP, Temporal, OpenAI, Anthropic Claude, HuggingFace, Prompt Engineering, RAG

**Backend:** Spring Boot, FastAPI, Flask, REST APIs, Event-Driven Architecture, OAuth 2.0, Multi-tenant Architecture, Feature Toggles, Salesforce Writeback

**Integrations:** Gmail API, SendGrid, Calendly, MCP, GCP Pub/Sub, Cloud Functions

**Frontend:** Next.js, React, Redux, TypeScript, Tailwind CSS, Recharts, AgGrid, Server-Side Rendering

**Databases & Cloud:** BigQuery, ClickHouse, PostgreSQL, MySQL, Firestore, Redis, GCP, AWS

**DevOps & Tools:** Docker, Kubernetes, Jenkins, Git, GitHub Actions, Postman, Jira, Figma

## Certifications

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Meta – Introduction to Back-End Development | Coursera – Building Modern Python Applications on AWS | LinkedIn Learning – SQL Essential Training

## Publications

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**Deploying Deep Transfer Learning Models to a Web-App for SARS-CoV-2 Detection Using Chest Radiography Images – IEEE ICEECCOT 2021**

**Automated Dimensional Analysis and Defect Recognition Using X-ray Images of Machinery Parts – IEEE I2CT 2021**

## Languages

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English (Professional) | Hindi (Native) | Kannada (Native)