Shivang Khandelwal

Full-Stack Software Engineer

shivangkh26@gmail.com | +91-9079377724 | shivang2607.com
github.com/shivang2607 | linkedin.com/in/shivang-khandelwal-0a58951bb

Summary

Full-stack engineer with 2.5 years at Oracle owning features end to end across JavaScript UI layers, REST API layers, and relational databases for Fortune 500 customers. Ships production backends on Node.js and Python with PostgreSQL, Redis, and queue-backed job systems, with SQL tuning that took a high-traffic page from 70s to under 1s. Founder of AniverseHD (20,000+ daily visitors) and solo builder of DevLens, an open-source code graph and MCP suite for autonomous coding agents.

Experience

Oracle | Application Software Engineer **Jul 2024 - Present**

- Own end-to-end delivery across a 3-tier stack (JavaScript UI, REST API, relational database) for a procurement platform serving Fortune 500 customers.
- Resolve 120+ production escalations as technical point of contact for global enterprise accounts, diagnosing defects across UI, API, workflow, and database layers.
- Built an internal production-debugging toolkit adopted by multiple engineering teams, converting tribal knowledge into a repeatable runbook: **~50% faster triage** and 20% faster resolution.
- Profiled and rewrote SQL on the highest-traffic procurement views, redesigning indexes, query plans, and transactions to cut page load from **70+ seconds to under 1 second**.
- Led front-end modernization of a legacy procurement UI to a component-based JavaScript framework, shipping responsive accessible components and reviewing peer code in Agile sprints.

Projects

DevLens | Multi-Language Code Graph & Agent Tooling GitHub **Jan 2026 - Present**

TypeScript, Bun, Next.js, MCP • Cloud backend: Node.js, Hono, PostgreSQL, Redis, BullMQ • github.com/devlensio/devlensOSS

- Built an open-source codebase intelligence engine that parses **JavaScript, TypeScript, Python, Java, Go, and Rust** with each language's native parser into a typed dependency graph carrying functional, technical, and security summaries per node.
- Modeled semantic edges (`IMPLEMENTS`, `HANDLES`, `READS_FROM`, `WRITES_TO`) across 5 framework ecosystems (React/Next.js, FastAPI, Spring Boot, Gin, axum), giving code review and impact analysis a real blast radius.
- Shipped the full stack solo: parsing engine with **500+ automated tests**, a query core shared by CLI and MCP server, a Next.js and Cytoscape explorer, and an npm CLI with prebuilt binaries for 5 platforms.
- Built the DevLens Cloud backend: Node.js and Hono REST API on PostgreSQL with Redis caching, BullMQ job queues, GitHub App auth, and a background indexing worker.
- Exposed **21 MCP tools** and a `/devlens` agent skill so Claude Code, Cursor, and Kilo query graph slices instead of re-reading files; across 4 models: **61% fewer input tokens**, 54% lower cost, 45% fewer tool steps, structured output 50% to 100%.

AniverseHD | High-Concurrency Media & Discovery Platform **Aug 2023 - Jul 2025**

Next.js, Cloudflare Workers/D1, Redis, Qdrant, Python

- Founded and architected an edge-first media platform (~80% of the build), sustained at **20,000+ daily visitors** and **6,000+ signed-in users** with 16-minute sessions and under 40% bounce.
- Designed the edge infrastructure and caching layer on Cloudflare Workers and D1 with Redis in front of catalog reads, adding 24/7 monitoring and alerting that kept latency flat under peak load.
- Automated ingestion of a **27,000+ title catalog** with idempotent Python/Shell pipelines and scheduled refresh, and built a Qdrant vector-search recommender on 700-dimensional embeddings.

Technical Skills

Languages: TypeScript, JavaScript, Python, SQL, C++, HTML/CSS
Backend & Data: Node.js, REST API design, PostgreSQL, Redis, BullMQ, distributed systems, system design, observability
Frontend: React, Next.js, Tailwind CSS, Zustand, component-driven UI architecture
Cloud & Delivery: AWS, Docker, CI/CD, Cloudflare Workers/D1, Supabase, Firebase, GitHub Actions, Git, Agile delivery
Testing & AI: unit/integration/e2e testing, Qdrant vector search, RAG pipelines, embeddings, MCP servers, LLM/agent tooling

Education

Indian Institute of Information Technology (IIIT), Surat **Aug 2020 - May 2024**

B.Tech, Electronics and Communication Engineering | CGPA 8.70/10 | Coursework: Data Structures, Algorithms, Databases, OS