Shippu Sharma

Senior Software Engineer | AI Engineer

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SUMMARY

Senior Software Engineer who builds AI features that run in production: agent workflows with LangChain, LangGraph and DeepAgent, RAG pipelines over LLM and SLM APIs, generative UI, and MCP integrations that let agents use real tools. 5+ years of full-stack TypeScript across three companies, so I also build the Node.js APIs, React and Next.js frontends and AWS or Cloudflare infrastructure these features need. Promoted to Senior at Gloitel in August 2024; self-taught; maintainer of an open-source collection of AI agent skills and two npm packages.

SKILLS

AI & LLM: LangChain, LangGraph, DeepAgent, LangSmith (tracing, evaluation), Vercel AI SDK, CopilotKit, OpenAI API, Ollama, LLM/SLM APIs, AI Agents, Agentic Workflows, Tool Calling, RAG, Vector Search (PGVector, Chroma), Model Context Protocol (MCP), MCP Apps, A2A Protocol, Generative UI, Prompt Engineering, n8n

Languages: TypeScript, JavaScript, SQL, HTML, CSS

Backend: Node.js, Bun, Express, NestJS, Hono, GraphQL, Apollo, REST APIs, Webhooks, BullMQ, RabbitMQ, Kafka, Socket.io

Frontend & Mobile: React, Next.js, Vite, TanStack Start, Tailwind CSS, Redux Toolkit, Zustand, React Native, Expo, Progressive Web Apps (PWA), Web3/dApps

Databases: PostgreSQL, MongoDB, MySQL, SQLite, Redis/Valkey, Elasticsearch/OpenSearch, Drizzle ORM, Mongoose

Cloud & DevOps: AWS (EC2, S3, Lambda, API Gateway, SQS, SNS, SES, ECS/ECR, CloudFront, ElastiCache, IAM), Cloudflare (DNS, CDN, R2), Oracle Cloud (OCI), Docker, Docker Compose, GitHub Actions (CI/CD), Nginx, Caddy, Traefik, Linux, Observability

Architecture: System Design, Microservices, Modular Monolith, Micro-Frontends, Event-Driven Architecture, Serverless, Clean Architecture, Plugin Architecture

Testing & Tools: Jest, Vitest, Postman, Swagger/OpenAPI, Git, GitHub, Jira, Notion, FFmpeg | **Payments:** Stripe, Razorpay, Cashfree, CCAvenue, ICICI Eazypay

EXPERIENCE

Senior Software Engineer | Gloitel Consulting Pvt. Ltd., Raipur, India — Aug 2024 – Present

- Build AI features end to end: agent workflows with LangChain, LangGraph and DeepAgent, and retrieval-augmented generation (RAG) over LLM and SLM APIs.
- Ship generative UI with CopilotKit and the Vercel AI SDK, and connect agents to tools and to each other through MCP, MCP Apps and the A2A protocol.
- Own the system architecture and serverless infrastructure across AWS, Cloudflare and Oracle Cloud, including observability for production services.
- Automate business workflows with n8n and ship the company's mobile app with Expo.

Software Engineer | Gloitel Consulting Pvt. Ltd., Raipur, India — Aug 2023 – Jul 2024

- Built backend services in Node.js, Express, Hono and Bun, and GraphQL APIs with Apollo, deployed with Docker on AWS in both monolith and microservice setups.
- Delivered the matching web and mobile frontends in React, Next.js and React Native (Expo).
- Promoted to Senior Software Engineer after the first year; recognised by the company at the 1-year and 3-year marks.

Software Developer | Webllisto Technologies Pvt. Ltd., Indore, India — Apr 2022 – Jul 2023

- Built and maintained client web applications in React, Vite and Next.js, including Web3 dApps on blockchain networks and progressive web apps.
- Worked on Clubrare, an NFT marketplace with on-chain trades (React, Redux Toolkit, Solidity, Hardhat, Ethers.js).
- Wrote Node.js backends on MongoDB and PostgreSQL, with Redis for caching. Received a "Best Teamwork" recognition at one year.

Full-Stack Developer | Catax Pvt. Ltd., Raipur, India Jun 2021 – Mar 2022

- Built REST and GraphQL (Apollo) APIs with Node.js, Express and MongoDB for Catax, a crypto tax product.
- Turned designs into responsive React and Next.js interfaces.
- Acted as team lead on Catax projects and helped newer developers get up to speed.

PROJECTS

Queryroom: Text-to-SQL Agent | Next.js, TypeScript, LangChain, OpenAI, PostgreSQL, MySQL, SQLite, Zod 2026

- Ask a database questions in plain English. An LLM drafts a read-only SQL query that the user reviews and approves before it runs; connection details and chat history are encrypted in the browser. Live: agent-text-to-sql.vercel.app

AI Portfolio Copilot | Next.js 16, React 19, Vercel AI SDK, TypeScript, Tailwind CSS, Bun 2026

- Streaming assistant that answers questions about my work with 11 typed tool calls over structured data, links each answer to its source page, and falls back to an offline answer when the model is unavailable. Also an installable PWA with a CSP, rate limiting and a test suite. Live: shippusharma.vercel.app

Vendor Shop | Next.js, React, TypeScript, PostgreSQL, Drizzle ORM, AWS, PWA 2026

- Multi-vendor e-commerce platform where sellers run their own storefronts, with listings, inventory, order processing and customer messaging. Live in production: saletous.com

Open source | Agent Skills (GitHub), regexx and timezone-lib (npm) 2023 – 2026

- Agent Skills: reusable skills for AI coding agents, installable with *npx skills add shippusharma/skills*. regexx: zero-dependency, type-safe validation patterns. timezone-lib: typed, timezone-aware date formatting for any IANA zone.

EDUCATION

Bachelor of Technology (B.Tech), Computer Science & Engineering 2016 – 2020
Chhattisgarh Swami Vivekanand Technical University, Bhilai | Rungta College of Engineering & Technology, Raipur | Grade A, First Division

CERTIFICATIONS

- **LangChain Academy:** Introduction to Deep Agents (Foundation, 2026); Deep Agents (Project, 2026); LangGraph Essentials, LangChain Essentials, LangSmith Essentials and LangSmith Agent Builder (2026)
- **Udemy:** Generative AI & LLMs Foundations (2026); Software Architecture (2026); Mastering AWS Serverless (2024); Systems Design Foundations (2023); Docker for Beginners (2023); Introduction to Microservices (2022)
- **daily.dev:** 2025 Streak Warrior, top 1% of developers (2,649 posts read, 596-day streak)

LANGUAGES

English (Professional Working), Hindi (Full Professional)