SHREYASH CHANDRA

Software Engineer | Full Stack | Backend | DevOps
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SUMMARY

Software Engineer with **2+ years** building backend-heavy systems: **350+ endpoint Node.js microservices** for **10k+ users**, **Python GenAI/RAG** services, and **AWS** infrastructure with **Terraform, Docker and GitHub Actions**.

TECHNICAL SKILLS

Languages & Core: TypeScript, JavaScript, Python, C++, SQL, DSA, System Design, OOP, Git
Backend: Node.js, Express, FastAPI, Hono, REST, WebSockets, SSE, Microservices, JWT, OpenAPI
Databases: PostgreSQL, MongoDB, Redis, Prisma, SQLAlchemy, Mongoose
Cloud & DevOps: AWS (ECS, ECR, ALB, IAM), Terraform, Docker, GitHub Actions CI/CD, NGINX, Linux
Frontend: React, Next.js, React Native, Vite, Tailwind CSS, WebAssembly
AI / GenAI: LangChain, RAG, Pinecone, Qdrant, Vercel AI SDK, OpenAI & Gemini APIs

EXPERIENCE

RedSling | Software Developer Apr 2025 – Present

- Engineered backend services that translated user-created **Blockly** workflows into efficient **JavaScript**, directly increasing developer productivity by **25%** within the first quarter.
- Developed a **RAG debugger** (**Python, LangChain, Pinecone, GPT-4o**) over **1,000+** blocks at ~**200 ms** latency for **500+** sessions/month, cutting user-reported errors **45%**.
- Designed a multi-model **LLM gateway** in Python supporting **7+** LLMs with user-supplied API keys.
- Deployed on **AWS ECS/ECR** with **Terraform, Docker, GitHub Actions**; cut p99 latency **30%**, build time **60%**.

TechPlek Technologies | Jr. Software Developer Sep 2024 – Apr 2025

- Architected a cab-billing platform: **4 Node.js microservices**, **350+ REST endpoints**, **10k+** concurrent users.
- Introduced **Redis** caching on high-traffic Node.js APIs, reducing response latency by **50%**.
- Released a **React Native** ride-booking app with real-time GPS tracking on Google Play.

PROJECTS

TradeArena | C++, Node.js, React, PostgreSQL, WebSockets, Docker Live | GitHub

- Created an **NSE/BSE** paper-trading platform on a **C++** core (**HTTP/SSE**, OpenAPI) with a unit-tested **price-time priority matching engine** using integer tick pricing.
- Implemented a **Node.js API gateway** (**PostgreSQL** auth, **WebSocket** market data, **Prometheus** metrics); orchestrated **6 services** with **Docker Compose**.

Wazir | React, TypeScript, WebAssembly, Cloudflare Workers Live | Chrome Store | GitHub

- Shipped a serverless chess analytics app running multi-threaded **Stockfish 19 NNUE** (**WebAssembly**) on-device: game review with **11** move classes, engine lines, stats and Spotify-style **"Chess Wrapped"**.
- Calibrated a custom accuracy model on **56** chess.com-reviewed games, narrowing the gap to chess.com's scores from **7.4 to 4.1** points (**45%**); also published a **Chrome MV3** extension.

PadhLeBhai AI | Python, FastAPI, PostgreSQL, React, OpenAI Live | GitHub

- Delivered an AI exam-prep app turning syllabus PDFs/photos into a **deterministic study scheduler** with spaced revision, plus a **streaming AI tutor**, quizzes and **SM-2** flashcards.
- Integrated **JWT** auth, per-user **token-based AI credit metering** and rate limiting on **FastAPI + SQLAlchemy**; **pytest**-tested and **Dockerized**.

ACHIEVEMENTS

1st Place, GPT-4o Hackathon (20 teams): led a team of 4 to build PadhLeBhai AI in 48 hours. May 2024

EDUCATION

Guru Tegh Bahadur Institute of Technology (GGSIPU) 2020 – 2024
B.Tech, Electronics and Communication Engineering *CGPA: 8.71 / 10 (Top 10%)*