

ARYA RAMESH CHAND BHARTI

Software Engineer | Full-Stack Engineer | AI Engineer

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SUMMARY

Full-stack engineer who can take an idea from zero to a working product—designing systems, building the core stack, integrating AI, and shipping to users. Fast learner with a bias toward ownership, execution, and solving real problems—thinking and working beyond the code.

EDUCATION

UIET – Panjab University

Chandigarh, India

B.E., Electronics & Communication Engineering

Expected June 2027

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Computer Networks, Computer Architecture, Digital System Design, M.processor & Microcontrollers

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript, SQL

Frontend: React, Next.js, Tailwind CSS, Redux Toolkit, Vite

Backend & APIs: Node.js, Express.js, FastAPI, REST APIs, WebSockets, WebRTC

AI/LLM: LLM APIs, RAG, LangChain, LangGraph, AI Agents, Tool Calling, Embeddings, Prompt Engineering, Structured Outputs, Multimodal AI, Evaluation & Guardrails

Data & ML: PostgreSQL, MongoDB, Redis, Qdrant, Pinecone, Prisma, Drizzle, SQLAlchemy, PyTorch, Hugging Face, scikit-learn, NLP, OpenCV

Cloud & Engineering: AWS (EC2, ECS, ECR), OCI, Docker, GitHub Actions, CI/CD, Linux, Nginx, Networking, Git/GitHub, Authentication, OAuth, JWT, API Security

CERTIFICATIONS

OCI Architect Associate – Oracle, Sep 2026 | [Verify](#)

Agentic AI Found. Associate – Oracle, Sep 2026 | [Verify](#)

DSA in Python – Udemy, Sep 2026 | [Verify](#)

PROBLEM SOLVING

LeetCode: 500+ solved, 1760 rating | superezz.dev

GeeksforGeeks: 400+ solved, 1853 score | superezz.dev

EXPERIENCE

Prixtara Technologies

Chandigarh, India

Founding Engineer (Freelance)

Jun 2026 – Present

- Built the company’s engineering foundation from scratch: domain/email infrastructure, Git workflows, dev environments, and deployment tooling.
- Architected and shipped a production web app end-to-end – Next.js/TypeScript frontend, Node.js backend APIs, third-party integrations, and release management.
- Introduced a feature-branch Git workflow with staged releases; partnered directly with founders on product and technical decisions.

PACER Lab, DIC, Panjab University

Chandigarh, India

AI Research / Engineering Project

Feb 2026 – Aug 2026

- Built an LLM-powered conversational support system applying existential-counselling principles for context-aware, emotionally sensitive responses.
- Designed 100+ test conversations across 6 emotional contexts and 30+ safety/edge-case scenarios; iterated 12+ prompt versions to improve consistency and safety.
- Benchmarked 500+ automated requests for latency, failure rate, and response quality.

PROJECTS

Koggent – Multi-Agent AI Platform *React, Node.js, LangGraph, LangChain, MongoDB, Redis, Qdrant, Docker, AWS*

[Live](#) | [GitHub](#)

- Architected a full-stack multi-agent platform: 9 LangGraph workflow nodes and 8 specialist agents for research, code/document generation, RAG, and multimodal image analysis.
- Built a 5-service containerized backend (API Gateway, Auth, Chat, Agent, Billing) with MongoDB, Redis, Qdrant, Firebase Auth, S3, and usage-based credit metering.
- Automated Docker CI/CD (GitHub Actions → ECR/EC2) across 5 services; added LLM intent routing, PDF RAG, and live code previews via Monaco Editor.

Logix AI – Agentic Logistics Intelligence Platform *Python, LangGraph, LangChain, Pinecone, PostgreSQL, SQLAlchemy, Docker, AWS EC2*

[Live](#) | [GitHub](#)

- Built an agentic platform using a cyclic LangGraph ReAct state machine for cold-chain incident analysis, risk assessment, and dispatch recommendations.
- Engineered a production RAG pipeline (Pinecone, OpenAI/HF embeddings, MD5 incremental ingestion) over Markdown/PDF/CSV/XLSX, with PostgreSQL and SQL Server via SQLAlchemy.
- Implemented least-privilege DB security (RBAC, SQL views, SELECT-only enforcement, audit logs); deployed via Docker, Systemd, and GitHub Actions on AWS EC2.

Randall – Open-Source Real-Time Video Chat Platform *React, Node.js, Express, WebRTC, WebSockets, PostgreSQL, Drizzle, Zod*

[Live](#) | [GitHub](#)

- Architected a P2P video platform (WebRTC + native WebSockets) supporting 1:1/group calls (up to 5), text chat, screen share, and interest-based matchmaking.
- Built a custom signaling/matchmaking server with multi-tier matching, session dedup, host failover, ICE queuing, and STUN/TURN connectivity.
- Hardened for production with Zod validation, Arcjet rate limiting, PostgreSQL/Drizzle persistence, and graceful shutdown handling.

OPEN SOURCE

Traceroot *Python, TypeScript, pytest, Vitest*

[PR #2155](#)

- Added GPT-6 Astra pricing, model-resolution support, and OpenAI BYOK integration with pricing assertions; validated with 238 Python and 14 Vitest tests, merged upstream.

Layer5 / Meshery *JavaScript, Gatsby, CSS*

[PR #7898](#)

- Fixed a scroll-triggered rendering bug and responsive carousel issues on the landing page, improving accessibility focus states and mobile layout; merged upstream.

Graylog *Java, OSHI, cgrouops, OpenSearch*

[PR #27389](#)

- Implemented container-aware CPU/memory metrics for OpenSearch Data Nodes, including cgroup fallbacks, CPU delta sampling, and test coverage.