

Abhishek Jaiswal

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PROFILE

Senior Software Engineer with 5 years of experience building backend services, distributed systems, and core networking features, now focused on AI/agent systems and RAG. Adept at leading initiatives, mentoring juniors, and shipping production-grade software. Eligible for Spain's Highly Qualified Professional permit.

EDUCATION

B.Tech • CSE

Indian Institute of Technology
Guwahati
2017 – 2021

SKILLS

Languages

◇ Python ◇ TypeScript ◇ C ◇ C++ ◇ Java

Cloud

◇ AWS (EC2, S3, SQS) ◇ GKE ◇ Terraform

Infrastructure

◇ Docker ◇ Kubernetes ◇ KEDA

AI & LLM

◇ AI Agent Dev ◇ RAG ◇ Prompt Engineering
◇ LangChain ◇ Multi-Agent Orchestration

Frameworks

◇ FastAPI ◇ Flask ◇ Node.js ◇ Express.js
◇ Spring ◇ React ◇ tRPC

DB

◇ PostgreSQL ◇ MySQL ◇ Redis ◇ ChromaDB
◇ MongoDB

Methods

◇ CI/CD ◇ Agile ◇ Unit Testing ◇ Microservices

Miscellaneous

◇ Elasticsearch ◇ Fluent-bit ◇ SD-WAN ◇ TCP/IP
◇ REST ◇ Network Security

LANGUAGES

◇ English (C2) ◇ Spanish (A1)

PROJECTS

Document Podcast

May 2026 – Jun 2026

- Converts research papers into **two-speaker podcasts** in English and Danish, using Python, **FastAPI**, **OpenAI** and **Cartesia** TTS.
- Kept long-form dialogue consistent via staged script generation, repetition checks, and voice continuity across audio chunks.

CERTIFICATIONS

Retrieval Augmented Generation (RAG)

April 2026 – Present

Claude Code: An Agentic Coding Assistant

May 2026

AWS Storage

June 2025

EXPERIENCE

AI Engineer (Contract)

Sep 2026 – Present

Novo Nordisk

Remote

- Building a **research-agent** chat platform for medical and internal market research, saving verified files to **SharePoint**.
- Built a **Qdrant** index with metadata filters and **hybrid retrieval**, powering a chatbot that blends live web search with internal docs to answer in **under 30 seconds** with verified sources.

Founder & Solo Engineer

Jul 2026 – Sep 2026

Bellance OS (Salon Intelligence Platform)

Remote

- Built a multi-tenant salon intelligence platform solo (**TypeScript**, **tRPC**, **React PWA**, **PostgreSQL**), shipped to a pilot outlet with **~2,100 CI-gated tests**.
- Designed a per-outlet **service-relationship graph** surfacing only pairings with **proven lift**, with revenue tracked in an append-only ledger; found **INR 330K+** recoverable leakage.

Founding Engineer

Nov 2025 – Jan 2026

Knowl

Bengaluru, India

- Designed Python/FastAPI services for **1M+ API requests/day** on AWS EC2 and GKE, with Redis rate limiting for P95 stability.
- Built an AI agent inferring preferred language via LLM reasoning and multi-strategy fallbacks, **improving accuracy by 45%**.

Member of Technical Staff 2

Jul 2021 – Oct 2025

VMware - Arista (Velocloud SD-WAN)

Bengaluru, India

- Developed core features in **C/C++** for a production SD-WAN platform used by enterprise customers at scale.
- Built network interface tracking with real-time and historical statistics for **200K+ edge devices**, extracting data from the kernel into user-facing dashboards.
- Delivered Advanced Threat Protection (ATP) on Edge devices using Webroot, with IDS/IPS, threat intelligence, and URL filtering, mitigating **10K+ monthly malicious connection attempts**.
- Designed and implemented IPv6 DHCP Prefix Delegation for dynamic prefix allocation across large SD-WAN deployments with zero-NAT global addressing.
- Led introduction of a unit testing framework for legacy C code, scaling coverage from **5% to 90%** and enabling full CI automation.
- Built a packet processing latency visualisation platform, improving performance analysis and debugging workflows.

Software Developer Intern

Dec 2019; May 2020 – Jun 2020

Ushur

Bengaluru, India

- Built a Java **distributed-tracing** agent for microservices using Javassist bytecode manipulation, visualising call flows in **Jaeger**.
- Built a **Spring Boot** REST API injecting beans by class name from the payload, with centralized logging via **ELK**.