ABHISHEK JHA

(SOFTWARE DEVELOPMENT ENGINEER)

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TECHNICAL SKILLS

- **Backend Development:** Node.js, FastAPI, REST, GraphQL, gRPC, microservices, distributed systems, serverless
- **Databases & Caching:** MongoDB, PostgreSQL, Redis; query tuning, indexing, schema/data modeling
- **DevOps & Cloud:** Docker, Kubernetes, GitHub Actions, CI/CD, Prometheus/Grafana
- **Programming:** Python, JavaScript, TypeScript
- **Web & Frontend:** HTML, CSS, React, NextJs; responsive design, UI/UX principles

PROFESSIONAL EXPERIENCE

SDE | Esampark Tech Solutions (Medh, Ed-Tech)   **2025**

AI Agent Focus (Jan – Mar)
- Developed AI sales agent with guardrails, automating lead replies and significantly reducing manual work.
- Documented and deployed the agent end-to-end, ensuring measurable business impact in sales operations.
- Partnered with CEO and sales teams to align AI capabilities with lead-generation strategy.

Software Development Focus (Mar – Jul)
- Optimized system performance and reduced database load while sustaining high cache efficiency.
- Delivered full-stack architecture (backend, website, notifications, blockchain certificates).
- Built AI-driven content and analytics systems for blogs, recommendations, and parent reports.
- Aligned technical progress with business strategy through close coordination with leadership.

Software Development Intern | FixPoint Pvt. Ltd. (Garage SaaS)   **2024**
- Owned and led end-to-end MVP delivery (Flutter + FastAPI) in 60 days, showcased in investor demos.
- Redesigned booking workflow with queues + caching, cutting latency and stabilizing peak loads.
- Designed dashboards and audit logs, improving visibility and saving 120+ hours/month.
- Containerized APIs and dev environment, enabling one-command setup and <1 day onboarding.
- Collaborated with founders and ops to communicate trade-offs and align product scope with investor expectations.

CAPESTONE PROJECT

Suuupra EdTech Super-Platform | Next-Gen Learning + Media Architecture   **Github link**
- **Solo-built replicas unified into one platform:** UPI-style payments, live classes, VOD, AI tutoring, creator tools, and large-scale search/recs.
- **Core:** Secure identity (OIDC, RBAC), rate limits, API gateway, double-entry ledger, compliant payments.
- **Payments:** UPI rails with fraud checks + retries; 99.99% success in stress tests.
- **Media:** Live Streaming classes + Netflix-scale VOD with transcoding/CDN; p99 <300 ms, 99.9% uptime under load.
- **Intelligence:** LLM tutor with RAG, reranking, guardrails, A/B eval; plus creator tools, indexing, and recsys.

EDUCATION

B.Tech in CSE (Data Science), Oriental Institute of Science & Technology, Bhopal   **(2021–2025)**

EXTRACURRICULAR

Head, Entrepreneurship & Development Cell (OIST)
- Led a cross-functional team to drive and promote entrepreneurial initiatives on campus.

GDSC & Microsoft Student Ambassador (Coordinator)
- Conceptualized and launched recurring 'Cloud Native Meetups' from the ground up, attracting 250+ attendees monthly.

Abhishek Jha

Backend × AI Engineer | Production-Ready Systems Builder

What I Bring

Backend-focused engineer who builds reliable systems from database to user interface. I'm a **contextual engineer** who combines computer science fundamentals with modern AI tools to accelerate development without sacrificing quality. I use Claude, Cursor, and other AI assistants to increase my velocity, but I bring the architectural thinking and domain expertise to guide them effectively.

Approach: Build it right the first time, using AI to amplify human judgment, not replace it.

Technical Stack + AI-Amplified Development

Full-Stack: MERN + Next.js, Python FastAPI, PostgreSQL/MongoDB, Redis caching
DevOps: Docker, Kubernetes, GitHub Actions
AI/ML: RAG systems, content processing, safety guardrails
AI Development Tools: Claude, Cursor, GitHub Copilot for accelerated coding

Track Record

AI-Powered Lead System - Automated customer responses with safety guardrails
Performance Optimization - Strategic caching reduced database load during peak traffic
MVP to Production - Complete product delivery with AI-accelerated development cycles

Working Style

AI-Augmented Engineering: Use Claude/Cursor for rapid prototyping and boilerplate generation, apply computer science fundamentals for architecture decisions and algorithmic choices
Contextual Problem Solving: Leverage AI tools for speed, human expertise for system design, scalability patterns, and production readiness

Trial Project

Confident enough to start with a focused project: working solution to your specific technical challenge, complete test coverage, clear deployment instructions, one iteration cycle included.
Shows: Problem approach, code quality, technical context understanding, team fit.