

BHAVESH KASANA

AI/Software Engineer (11+ Years of Experience)

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SUMMARY

Outcome-driven technology professional with **11 years** of experience in product development and a proven leadership record of driving strategic design and innovation. Expertise in automating complex workflows and processes utilising **event-driven, cloud-native, AI-powered applications**. Highly adaptable and effective at achieving strategic goals, both as a collaborative cross-functional leader, mentor and a self-directed individual contributor.

EDUCATION

Indian Institute of Technology - Guwahati (IITG)  , B.Tech (4-Year Program)07/2011 – 04/2015 | Guwahati, Assam

CGPA: **7.8/10**

12th Standard: 90.4% **CBSE**,10th Standard : 76% **CBSE**

TECHNICAL SKILLSET

Data Structures & Algorithms (DSA) | High Level Design (HLD) | Low Level Design (LLD) | OOPS Principles | SOLID Principles | TypeScript | Javascript | NodeJS | Python | Java | MySQL | PostgreSQL | GraphQL | AWS | GCP | ElasticSearch | MongoDB | Redis | REST API | RabbitMQ | Kafka | Linux | BASH Scripting | Nginx | Terraform | Docker | Kubernetes | Ansible | ReactJS | CursorAI | Claude code | Spec driven Dev | MCP Servers | LangChain | LangGraph | Langsmith | Google ADK | Openclaw | Agentic AI | AI Agents | GenAI | RAG | PGvector | Agentic RAG | Application Evaluation | FastMCP | Multi-Agent System | ChromaDB

PROFESSIONAL EXPERIENCES

- Apollo 247, Principal Software Engineer08/2021 – Present | Gurugram, India

- **Stakeholder Engagement** - Collaborated with **3 cross-functional teams** (Payments, Consults, and Insurance) to translate **major strategic initiatives** into scalable technology, accelerating time to production for new features.

- **Strategy and Architecture**: Initiated an internal architecture review culture by leading **dedicated weekly sessions** for an engineering team of **10+ engineers**, which reduced critical production incidents by **25%** and fostered a highly resilient infrastructure.

- **Knowledge Sharing & Mentorship**: Mentored **10+ engineers** and defined the full-stack engineering vision across frontend, BFF, and backend tiers. Boosted team productivity and reduced PR turnaround time by **24 hours** through the adoption of pair-programming and automated Test-Driven Development (achieving **85%+ code coverage**).

- **Critical High-Throughput systems**: Championed the design and architecture of payment, refund, and real-time analytics platforms, successfully processing over **1 Million Events per day** (successful payments representing **₹4 Crores** in daily **70K** order volume) while maintaining **99.99% system uptime** and resolving high-resolution edge cases.

- **Hands-on AI Engineering**: Architected a Multi-Agent natural-language analytics system deployed as an MCP service, orchestrating **10+ specialized AI agents**. Enabled users to ask plain-English questions, handling **100+ daily queries** against OLAP databases with **sub-30 second latency** and a **95% SQL generation accuracy rate**.

- **Fullstack Software Engineering**: Authored and maintained over **100,000 lines** of TypeScript and Python code across **12+ critical microservices**, reducing technical debt and establishing a robust foundational architecture that supports **80%** of the core business modules.

- **Observability & Reliability** - Enforce full-stack observability with Telemetry, Grafana, Kibana, Telegraf and SLO-based engineering.
- Safe Security, Platform Engineer07/2019 – 08/2021 | Delhi, India

- **Cross-team Collaboration**: Implemented a comprehensive, centralized logging library synced with the ELK stack across **3+ languages** (TypeScript, Python, Golang) and **15+ microservices**. Configured critical event alerting that reduced Mean Time to Resolution.

- **Telemetry and Observability:** Deployed a Telegraf, InfluxDB, and Grafana (TIG) stack for time-series monitoring, processing over **5 million data points per day**. Built **10+ custom dashboards** for anomaly detection and alerting, reducing false-positive alerts by **40%** and proactively preventing **5+ critical downtimes**.
- **Code Modernisation:** Spearheaded the strategy to migrate a **50,000+ line** PHP monolith to **10+ independently scalable** TypeScript microservices, improving core application response times by **35%** and increasing deployment frequency from **bi-weekly to daily**.
- **Cybersecurity Compliance Controls:** Implemented automated assessment programs evaluating **50+ compliance controls** to calculate breach probability and compromise risk. This reduced manual security audit times by **60%** and improved overall infrastructure risk scores by **25%**.
- **Containerisation and Auto-scaling:** Transformed the legacy SAFE application into a Docker and Kubernetes-orchestrated microservices architecture. Implemented auto-scaling policies that reduced cloud infrastructure costs by **40%** while seamlessly handling **traffic spikes** with **zero downtime**.
- **Private Network Premises Agents:** Developed a self-installable, auto-upgradable SAFE agent deployed across **500+ on-premise client environments** for secure data collection. Achieved a **99.9% successful auto-upgrade rate** and reliably transferred **500+ GB of sensitive telemetry data monthly**.

StalkBuyLove, Lead Software Engineer

11/2016 – 07/2019 | Delhi, India

- **API Gateway & Microservices:** Architected an API gateway to decouple routing from a legacy Magento monolith, directing traffic to **5+ new microservices**. This hybrid approach seamlessly handled **1000+ API requests per minute** during peak sales, reduced Magento server load by **40%**, and decreased average page response times by **1.5 seconds** while securely maintaining CRUD operations and session management.
- **Logistics Automation Dashboard:** Developed an end-to-end logistics automation system processing **25,000+ orders daily**. Automated complex workflows—including Courier Recommendation, Registration, Tracking, RTO (Return to Origin), NDR (Non-Delivery Report), and Re-dispatches—which eliminated **40+ hours** of manual operations per week and reduced overall RTO rates by **15%**.
- **Refund/Exchange Module:** Designed and implemented a comprehensive returns and exchange module from scratch, successfully handling **5,000+ reverse logistics requests per month**. By supporting multi-iteration exchanges and dual shipping modes (self-ship and Reverse Vendor Pickup), the automated system reduced customer support tickets by **30%** and retained **₹2M** in monthly revenue by converting returns into seamless exchanges.

Angular Technologies, Senior Software Engineer

12/2015 – 11/2016 | Gurgaon, India

Single Handedly managed entire Backend stack enabling Hyperlocal E-commerce App.

Blinkit, Software Engineer

05/2015 – 12/2015 | Gurgaon, India

SKU Search, Content Management System, Refunds & Exchanges, Merchant Onboarding

Charles University, Visiting Summer Researcher, IOCB Prague

05/2014 – 07/2014 | Prague, Europe

Complete Active Space Self Consistent Field (CASSCF), TD-DFT Calculations, PSI3 Library

UCL London, Visiting Summer Researcher, KLB Facility

05/2013 – 07/2013 | London, UK

Novel Transparent Conducting Oxides discovery for OLED display screens and Solar Cells

★ KEY ACHIEVEMENTS

Promoted to Principal Software Engineer (Tech Lead) in 2023 in recognition of exceptional technical contributions, engineering excellence, and effective team mentorship.

Honored with the 2023 Cloud Infrastructure Migration Award at Google Gurugram for successfully architecting a highly resilient, cost-savings by 30% GCP migration.

Apollo247 Payments Service Author

- Engineered and scaled core payment and refund infrastructure processing over 70K daily transactions (representing ₹4+ Crore value daily) with 99.99% uptime.

Bug bounty Hackathon - 2020 Runner up at Safe security For Resolving 7 Critical Security Bugs in 24 Hours

Recipient of Gilead Sciences Europe fellowship for summer intern at IOCB Prague 3rd year undergrad Internship

Recipient of Thomas young Fellowship for summer intern at UCL, London 2nd year undergrad Internship

Cracked IIT-JEE 2011 AIR-1880 with Admission offer at older IIT among 500K student competing for 5K seats