# VISHNU SAI JASWANTH

+91-6304643328 — Bengaluru, India — [vishnugajulapalli123@gmail.com](mailto:vishnugajulapalli123@gmail.com) — [Portfolio](#) — [LinkedIn](#)

## PROFESSIONAL SUMMARY

Senior Software Engineer with experience in back-end systems, data infrastructure, and AI integrations. Skilled at building fault-tolerant microservices and scalable platforms; strong in system design, distributed systems, caching, and performance optimization. Looking for impactful back-end roles in high-growth, learning-focused environments.

## SKILLS

| | |
|---|---|
| **Languages** | JavaScript, TypeScript, Python |
| **Backend** | Node.js, Express, REST APIs, WebSockets, Microservices, API Design and Development |
| **System/Infra** | System Design, Scalability, Distributed Systems, Load Balancing, Caching |
| **Data/Search** | PostgreSQL, MySQL, MongoDB, Redis, Elasticsearch, Pinecone, Qdrant |
| **AI/LLM** | LLM Integration, Prompt Engineering, Vector Databases |
| **Cloud/DevOps** | AWS, GCP Services, Docker, Kubernetes, CI/CD Pipelines |
| **Collaboration** | Git (Version Control), Code Review |

## EXPERIENCE

### Senior Software Development Engineer — Jan 2025 – Present
BIK.AI — *Bengaluru*

- Engineered a generic clustering infrastructure using vector embeddings to group unsatisfactory AI responses and customer feedback, improving chatbot accuracy and reducing repeated unresolved queries by 30%
- Revamped in-house release and deployment tools (ReleaseJet/CodeJet) with automated multi-environment roll-outs, versioning, rollback, and pod-level blocks, reducing deployment time by 40% and made rollout process smoother
- Designed a unified Sync Service to ingest diverse data (Shopify content and third party CRM content) into vector databases, reducing ingestion complexity and improving sync reliability by 40%
- Implemented a generic CRM integration layer for real-time, bi-directional messaging with Salesforce, Zendesk, and Gorgias, reducing handover latency by 50% and powering live chat for 50+ clients
- Optimized Elasticsearch handling 300M events/month via ILM policies, shard sizing ($\leq$ 50GB), and tiered storage (hot$\rightarrow$warm), cutting infra costs by 50%; extended APM to Python pods to improve observability
- Led on-call rotations and proactively monitored error logs; awarded Best Employee of the Quarter (Apr 2025)

### Software Development Engineer (SDE-1 to SDE-3) — Aug 2022 – Dec 2024
BLKBOX.AI — *Remote*

- Progressed from SDE-1 to SDE-3, leading architecture design
- Delivered 20+ APIs and features with strong API design and development practices, contributing to 15% revenue growth
- Integrated AWS Rekognition and ML models for creative intelligence, enabling scene-level video/image analysis and predictive ad performance insights
- Created competitor analytics infrastructure via AppMagic, allowing clients to sync competitor data, track ads, and run performance benchmarks
- Enhanced Postgres analytics queries, improving query latency by 40% and stabilizing platform performance
- Extended observability with Elastic application logging and Sentry monitoring, resolving 50+ production issues and ensuring 90%+ uptime

**Software Engineering Intern**                                      Jan 2022 – Jul 2022
HP R&D                                                               *Pune*

- Designed microservices for HP Active Care, improving maintainability and reducing error rates by  20% through enhanced logging and unit testing.

## PROJECTS

**YelpCamp** ([live demo](#))
Designed and launched a comprehensive platform connecting outdoor enthusiasts with global camping destinations. Implemented user-friendly features such as interactive maps, user-generated content, and personalized recommendations. Improved overall usability and engagement, resulting in a **20% increase in user interaction and retention**. (*Node, Express, MongoDB, Cloudinary*)

**RapidMock** ([rapidmock.com](#))
Designed an API mocking platform that accelerated frontend development workflows by **50%**. Enabled developers to rapidly test and iterate on UI features by simulating diverse API responses without backend dependencies. Improved productivity across teams by reducing development bottlenecks and decoupling frontend/backend cycles. (*React, Next.js, Node, MongoDB, Tailwind*)

## EDUCATION

**Pondicherry Engineering College**                                Aug 2018 – June 2022
B.Tech in Computer Science                                            GPA: 8.67