JAIKISHAN

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EXPERIENCE

Kosh (YC-backed Fintech, Lending Platform) | **Software Engineer** ***OCT 2025 - PRESENT***

- Architected and owned the **core payments engine** processing **10K+ daily transactions** across loan disbursal, EMI scheduling, and repayment, with idempotent, fault-tolerant flows guaranteeing **100% financial consistency**.
- Built a **double-entry ledger** reconciling **50K+ transactions/day** with automated settlement sync, and integrated the **Easebuzz payment gateway** via webhook-driven status updates and retry handling.
- Engineered a **real-time chat system** on **RabbitMQ over MQTT** (**5K+ messages/min**, sub-200ms latency), plus a **WhatsApp OTP login and notification system** that raised onboarding completion **25%**.
- Drove the **monolith-to-microservices migration**, executing **zero-downtime migration of 2M+ records** with no data loss and cutting average API latency from **800ms to 250ms**.

Dugong Global Service (Blockchain / Fintech) | **Software Engineer** ***JAN 2025 - OCT 2025***

- Secured backend **authentication** with email-password login, OTP verification, and **PEM/passkey-based auth**, validating **5K+ user identities** with zero credential-related breaches.
- Built **crypto wallet creation** and a pluggable **payment gateway abstraction** using the **Strategy and Factory patterns**, cutting new-provider integration time by **60%**.
- Published **5+ reusable npm and Python packages** and **blockchain SDKs** across JavaScript, Node.js, Golang, and Python, adopted by **3+ internal teams** and reducing cross-platform integration effort **40%**.

EDUCATION

National Institute of Technology, Kurukshetra **Dec 2021 - Jun 2025**
B.Tech in Electronics and Communication Engineering **CGPA: 7.2**

PROJECTS

FitSphere – AI Fitness Platform | *FastAPI, PostgreSQL, SQLAlchemy, Gemini AI* **Link**

- Designed the **FastAPI** backend exposing REST services for calorie tracking, workout planning, and deficiency analysis, integrating **Gemini AI** and the USDA FoodData Central API.
- Engineered an async **SQLAlchemy + PostgreSQL** data layer on a Gunicorn/Uvicorn multi-worker deployment for concurrent, production-grade throughput.

Voting Server | *Node.js, Express, MongoDB, JWT, WebSockets, Redis, Docker* **Link**

- Built a real-time voting platform on **Node.js, Express, MongoDB and Redis** with **JWT auth** and role-based access control, sustaining **1K+ concurrent WebSocket clients** with zero dropped connections.
- Enabled live vote tallying across all devices via a **Redis pub/sub** backplane and Dockerized services, holding **sub-millisecond broadcast latency** under concurrent load.

TECHNICAL SKILLS

Languages: C++, Java, Python, JavaScript, Golang, SQL

Backend Development: Node.js, Express, FastAPI, Django, REST APIs, Microservices, Sockets, WebSockets

Messaging & Streaming: Kafka, RabbitMQ, MQTT

Databases: PostgreSQL, MongoDB, MySQL, Redis

Infrastructure & DevOps: AWS, Docker, Linux, Git, GitHub, CI/CD Pipelines

Core Concepts: DSA, Competitive Programming, Problem Solving, OOPS, System Design, DBMS, Computer Networking, Operating Systems, Payment Systems

Achievements

- Scored **98.76** percentile in **JEE Mains 2021** (among 1M+ candidates); solved **500+ DSA problems** across LeetCode, CodeChef, and GeeksforGeeks
- **AWS Certified - Link**
- Secured **Top 10** in district in **Science Olympiad** and **Mathematics Olympiad**
- Represented at **State level** in **Kho Kho**
- Achieved **99.8** percentile in Naukri Campus contest - **Link**

EXTRA-CURRICULAR ACTIVITIES

- Technical team vice-captain at the Industry and Entrepreneurship Cell club
- Volunteer teacher at Siksha club, providing free education and support to students