

Rishu Raj Sinha

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PROFESSIONAL SUMMARY

Software Engineer with 1.5+ years architecting scalable backend systems and network infrastructure. Expertise in Python, Golang, and Django delivering high-impact solutions across fintech and cybersecurity domains.

WORK EXPERIENCE

- Software Development Engineer | Wealthy, Bangalore** October 2025 – Present
 - Backend Systems:** Architected microservices using Golang, Django, and FastAPI orchestrating 10,000+ daily transactions across Mutual Funds, PMS, and Fixed Deposits with 99.95% accuracy
 - Automated Reporting:** Spearheaded analytics pipeline for 5+ investment schemes, reducing manual work by 80% and delivering real-time insights to 2,000+ investors
 - GraphQL APIs:** Engineered APIs serving 50,000+ monthly queries across 3 products, cutting response latency by 45% and eliminating 60% data over-fetching
 - Performance Optimization:** Refactored PostgreSQL indexing and deployed Redis caching, accelerating retrieval by 70% and compressing report generation from 5 minutes to 30 seconds
- System Development Engineer | COSGRID Networks, Chennai** April 2024 – October 2025
 - API Development:** Built RESTful APIs for Zero Trust Network Access application using Python and Golang, implementing OAuth 2.0 authentication with 99.9% uptime serving 100+ enterprise clients
 - Scalability:** Designed log aggregation system with pagination managing 1M+ monthly entries, integrated Django-RQ with Redis for async processing, boosting throughput by 30%
 - Network Security:** Provisioned multi-tenant filtering with RBAC across 500+ users, configured Firewall rules, established IPsec tunnels, and administered WireGuard VPN on Linux
 - Data Pipeline:** Constructed ETL pipeline using FluentBit and Logstash processing 500GB+ daily data into Elasticsearch, created dashboards reducing threat detection by 35%
 - DNS & Proxy:** Deployed PowerDNS with Lua scripts achieving 40% threat reduction, configured Squid proxy for traffic inspection
 - Real-time Communication:** Implemented WebSocket channels for live streaming, programmed Electron IPC protocols, connected Kafka for event processing
- Software Development Intern | CREATOSAURUS & Hackveda** June 2023 – December 2023
 - Full-stack MERN development optimizing MongoDB pipelines (40% faster), Python automation eliminating 30% manual tasks, API integrations boosting engagement by 25%

PROJECTS

- CodeMeet - Technical Interview Platform** | Socket.io, WebRTC, React.js, Node.js **Live | GitHub**
Launched video platform with code sandbox supporting 50+ daily interviews, implemented WebRTC streaming with collaborative coding
- LocalConnect - Service Marketplace** | React.js, Golang, PostgreSQL **GitHub**
Created marketplace connecting local service providers (cooks, painters, tutors) with customers through professional profiles

TECHNICAL SKILLS

- Programming Languages:** Python, Golang, JavaScript (ES6+), C++, SQL, Lua, PowerShell, HTML5, CSS3
- Backend Frameworks:** Django, Django REST Framework, FastAPI, GraphQL, Node.js, Express.js, RESTful APIs, Microservices
- Databases & Caching:** PostgreSQL, MongoDB, Elasticsearch, MySQL, Redis, Query Optimization, Indexing
- Message Queues:** Apache Kafka, RabbitMQ, Redis Pub/Sub, Django-RQ, Celery, Event-Driven Architecture
- DevOps & Cloud:** Docker, Kubernetes, Linux (Ubuntu/CentOS), AWS (EC2, S3, RDS), Git, CI/CD, Jenkins
- Network & Security:** IPsec VPN, WireGuard, PowerDNS, Squid Proxy, OAuth 2.0, JWT, RBAC, Firewall Config
- Data Engineering:** FluentBit, Logstash, Kibana, OSQuery, ETL Pipelines, Real-time Analytics
- Real-time Technologies:** WebSockets, Socket.io, WebRTC, Electron IPC, Server-Sent Events
- Frontend:** React.js, Redux Toolkit, TypeScript, Material-UI, Responsive Design

EDUCATION

Bachelor of Technology in Computer Science Engineering | Rajiv Gandhi Institute of Petroleum Technology, Uttar Pradesh, India 2020 - 2024
CGPA: 8.03/10.0

ACHIEVEMENTS

Solved 350+ LeetCode Problems | IIT-JEE Advanced 2020 (Top 2% Nationally) | ONGC Merit Scholarship 2020-21 | Meta Hacker Cup 2022 Round 1