

SUBHANKAR CHOWDHURY

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Builder of systems that scale

I build AI that ships, scales, and makes money.

01 ABOUT

From co-founding a P2P exchange that hit \$5M market cap in week one, to architecting voice infrastructure handling 1500+ concurrent requests, I ship products that work under pressure. I specialize in AI systems—multilingual TTS, RAG pipelines, agentic workflows—and the backend muscle: Go microservices, distributed inference grids, and blockchain bridges. Currently building next-gen agentic AI infrastructure. I don't just consult on AI—I build it, deploy it, and make it profitable.

02 ARSENAL

FRONTEND

Next.js, React.js, TypeScript

AI/ML

Agentic AI, RAG, Voice Agents, LLM Infra

INFRA

AWS, GCP, Azure, Docker, K8s

BACKEND

Python, Node.js, Golang, Rust

BLOCKCHAIN

Solana, Base, Kaspero, Cross-chain

DATA

PostgreSQL, Cassandra, VectorDB, GraphDB

03 EXPERIENCE

DEC 25–NOW

Realization

AI Consultant & Generative AI Developer

- Built K1x Dashboard — intelligent tax platform with automated data extraction and AI-assisted workflows
- Created Second Brain — AI meeting assistant that captures, organizes, and surfaces insights from conversations
- Delivered end-to-end generative AI consulting across workflow automation and intelligent document processing

JAN 26–NOW

Creator Drive

Lead Backend Developer

- Architecting digital asset management platform for content creators and influencers
- Designed Go microservices with message queues for reliable async processing at scale
- Built drive sync integrations (Google Drive, Dropbox) with S3 optimization for cost-effective storage
- Developed Python preprocessing pipelines for automated media analysis and metadata extraction

JAN 26–NOW

OpenSesame

AI Developer

- Developed advanced multilingual translation system with LLMs and text-to-speech synthesis
- Engineered language pipelines for 9 low-resource and underrepresented languages
- Implemented end-to-end AI infrastructure for real-time translation and audio generation

03 EXPERIENCE (CONT.)

MAY 25–NOW

gonova.one

Founder

- Founded AI solutions company — RAG pipelines, voice agents, outreach automation, lead gen systems
- Pioneered NovaSpeech: 12+ language TTS trained on 2x3090 GPUs with blazing-fast performance
- Applied research on efficient LLM usage, continuously improving scalability and cost-effectiveness

JAN 25–NOW

generalconcepts.ai

AI Consultant

- Built voice agent infrastructure handling 1500+ concurrent requests with low latency
- Designed AI-driven bug detection and code review systems for automated issue discovery
- Strategic consulting on AI infrastructure — scalability, cost-efficiency, production deployments

NOV 24–JAN 25

guac.swap

Co-Founder & Fullstack Developer

- Co-founded the first peer-to-peer exchange for the Kasper blockchain ecosystem
- Scaled platform to \$5M+ market cap within the first week, driving rapid adoption
- Full stack contribution — blockchain integration, backend services, user-facing interfaces

JUN 23–NOW

aipowergrid.io

Lead Developer — Fullstack | Blockchain | AI

- Designed distributed backend grid powering multi-node inference for large-scale image generation
- Built cross-chain bridge enabling seamless AIPG ↔ WAIPG token conversion
- Deployed and optimized LLM hosting infrastructure with CI/CD to Kubernetes clusters

04 OPEN SOURCE

CODEGRAPH

github.com/websines/codegraph

Self-improving code intelligence with persistent code graphs + learning memory

NCPS-RUST

lib.rs/crates/ncps-rust

Neural Circuit Policies in Rust — sparse RNNs inspired by *C. elegans*

05 EDUCATION

Bachelor of Computer Applications

Calcutta Institute of Engineering & Management — 2020–2023

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