

# Nimbalkar Siddhesh

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## SUMMARY

Motivated Computer Science undergraduate with 3.5+ years of Learning experience in backend and full-stack development. Skilled in building real-time, scalable systems using GoLang, TypeScript, Docker, and modern cloud-native tools. Passionate about distributed systems, microservices, and performance optimization.

## EDUCATION

### MIT

*Bachelor in Computer Science*

Maharashtra, Pune

Aug. 2022 – July 2025

## EXPERIENCE

### Kavita Metal

*Freelance Developer*

June 2025 – Present

- Engineered a scalable e-commerce solution using modern tools, increasing customer engagement and reducing manual catalog efforts by 50%.
- Integrated secure user authentication and real-time product updates, enhancing customer trust and experience.

### MOCOTHRIFT

*Freelance Backend + Fullstack Developer*

Mar 2024 – May 2024

- Designed RESTful APIs in Go and implemented PostgreSQL queries using sqlc, resulting in 30% faster development and reduced runtime errors.
- Leveraged Edge Store for optimized image delivery, reducing page load times by 40% and improving user retention.

### Portfolio Website

*Freelance Project*

Dec 2022 – Dec 2022

- Developed a performance-optimized portfolio with smooth animations using GSAP and Locomotive Scroll, increasing visitor interaction by 70%.

## PROJECTS

### Microservices E-commerce Platform | GoLang, Gin, PostgreSQL, sqlc, Docker, gRPC, GraphQL, Redis, JWTCURRENT

- Designed and implemented a scalable e-commerce platform following microservices architecture to deepen understanding of distributed systems.
- Decomposed monolithic app into multiple services using gRPC and Docker, improving scalability and deployment agility.
- Integrated Redis-based caching and JWT authentication, achieving 60% improvement in response times and secure access.

### PANGAT | Next.js, TypeScript, Tailwind CSS, Shadcn UI, GoLang, Gin, Socket.IO, WebRTC

- Built a real-time communication platform supporting video/audio calls and chat with WebRTC and Socket.IO, enabling seamless interaction.
- Optimized client-server communication for low-latency updates, achieving sub-200ms chat/message delivery.

### Go Bank | GoLang, PostgreSQL, sqlc, gRPC, Docker, PASETO, REST API

- Developed a secure and scalable banking system with features like user authentication, account management, and fund transfers.
- Implemented gRPC-based microservices and PostgreSQL transactions with 'sqlc' to ensure ACID compliance and rollback support.
- Used PASETO (Platform-Agnostic Security Tokens) for secure, tamper-proof authentication to enhance security over traditional JWT.

### Blogging Web | Next.js, TypeScript, Tailwind CSS, Node.js, Hono.js, NPM, Prisma ORM, JWT, GitHub, Cloudflare

- Developed a feature-rich blog platform with autosave, Markdown support, and role-based access control.
- Used Cloudflare for DDoS protection and CDN acceleration, improving uptime and global performance.

## TECHNICAL SKILLS

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**Languages:** GoLang (Advanced), TypeScript (Advanced), Python, Java, C, HTML, CSS, JavaScript

**Frameworks & Tools:** Next.js, Node.js, Gin, Hono.js, gRPC, GraphQL, WebSocket, WebRTC, ShadCN UI, Tailwind CSS

**Database & ORM:** PostgreSQL, MongoDB, Redis, Prisma ORM, SQL, sqlc

**DevOps & Cloud:** Docker, Kubernetes, Jenkins, AWS, Cloudflare, CI/CD pipelines

**Others:** Git, GitHub, Linux CLI, VS Code, Cursor AI, ChatGPT, Bolt.new