Ankit Tiwari

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Ayodhya, Uttar Pradesh India

Backend-focused **full-stack developer**, experienced in building scalable authentication systems and production-grade APIs using Python, Go and JavaScript. Skilled in building **scalable authentication systems, distributed services** and I love to build things from **scratch** and always creating projects to learn.

Skills

Languages: Python, Go, C/C++, JavaScript, TypeScript
Frameworks: FastAPI, Django, Gin, Next.js, React
Databases: PostgreSQL, MySQL, MongoDB, Redis
DevOps & Tools: Docker, Kubernetes, GitHub Actions, CI/CD
Concepts: REST APIs, OAuth2, JWT, Concurrency, Multithreading, Caching, Load Balancing, Distributed Systems

Projects

Backend | *FastAPI, PostgreSQL, Redis, Docker*   Source | Live link
- Built scalable auth system supporting JWT OAuth2, with Redis caching, reducing login latency by 80%
- Implemented async operations, typed dependency injection, and CI/CD with Docker & GitHub Actions.
- Achieved 300ms response latency with Redis-based OTP verification.
- Designed for scalability; tested with 10k+ simulated auth requests using Locust.

Django-Unchained | *Django, PostgreSQL, Docker*   Source
- Built multi-tenant backend with isolated JWT auth per tenant, production setup via Docker + Gunicorn.
- Replaced Django testing with pytest ecosystem, improving test expressiveness and speed by 60%
- Modularized architecture into `core`, `api`, `common`; used PostgreSQL pooling and static asset automation.

GoJWT | *Go, Gin, MongoDB*   Source
- Implemented a lightweight auth microservice with token validation, secure hashing, and session storage.
- Used Go concurrency (goroutines) for efficient routing and performance under high load.

Accounts | *Next.js*   Source | Live
- Built full-featured auth frontend (login, reset, session, email verify) using cookies + API routes.
- Middleware-based session management; integrated with custom backend APIs; Progressive Web App (PWA), brute force protection.

LockedIn | *Next.js*   Source | Live
- Advanced Task manager app with time-tracking challenges and simplified UI for productivity.

Experience

Freelance & Open Source   *May-July, 2024*
- Developed and deployed various backend projects using FastAPI.
- Contributer to **TeamTrackAPI**

Education

B.Tech in Computer Science and Engineering
S.I.E.T. Nilokheri, Kurukshetra University   *Expected 2026*
Relevant Coursework: Data Structures, Operating Systems, Networks, Compiler Design, OOP, Databases, Linux Systems

Interests

Football, ML & LLMs, Quantitative Research, Systems Programming, Distributed Computing