Nakul Kokate

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Profile

Software developer building full-stack and backend systems using **TypeScript, Python, C#/.NET, REST APIs and SQL**. Turn operational requirements into data models, approval workflows and automation. Test and debug applications, document decisions and present working systems to stakeholders.

Experience

Technology Intern — Software Development | Syrma SGS Technology Ltd. Jun – Oct 2026
Electronics manufacturing · India

- Built and deployed a **purchase requisition application for 20+ users** with Next.js, TypeScript, REST API routes and MS SQL Server; translated approval requirements into role-based routing, business rules and audit history.
- Integrated Microsoft Entra ID sign-in, investigated identity and deployment issues, and documented DNS, TLS and firewall requirements; presented the system to senior IT leadership and received a **48/50 mentor evaluation**.

Full-Stack Software Developer (Freelance) | Arkoun Farms Feb 2025 – Present
Remote *Naks-bro/Arkoun-SYSTEM*

- Built a **nine-role Next.js/TypeScript operations platform** backed by PostgreSQL/Supabase for ordering, inventory, dispatch and invoicing; the documented production build contains **101 app/API routes**.
- Automated vendor purchase orders and subscription scheduling with Google Apps Script; debugged authorization and database-integrity issues and documented operational handoffs.

Technical Lead — Platform & Automation (Volunteer) | YGPT Jul 2025 – Present
Youth NGO, Maitribodh Parivar · Mumbai

- Built an event operations platform with **eight roles and eight main workflow states** for approvals, budgets and reporting using Next.js and PostgreSQL/Supabase.
- Integrated Google Drive folder creation and email notifications via authenticated Apps Script webhooks; maintained access controls and completed a database-region migration with **zero data loss**.

Selected Projects

Crime Branch OS — Investigation Workspace | *Python, FastAPI, SQLAlchemy, PostgreSQL, Next.js, Docker* | GitHub 2025 – 26

- Built a local-first prototype with **FastAPI REST services, PostgreSQL and Next.js** for case records, entity relationships and cross-case search; modeled evidence provenance and review states.
- Added tests for API, data and ingestion workflows; optional AI extraction remains subject to human review against source records.

RDRS — Windows Detection & Response Service | *C#/.NET 8, ETW, WMI, PowerShell* | GitHub 2025 – 26

- Combined **seven Windows telemetry signals** into a per-process risk score and automated response actions; wrote PowerShell scenarios to test file activity and detection behavior.

Achievements

CTF 2024: 5th of 700+ participants (Top 0.7%) · **Bharat Innovation Challenge 2025–26:** Top 50 nationally

Technical Skills

Languages: Python, C#/.NET, TypeScript, JavaScript, SQL, PowerShell
Applications & APIs: Next.js, React, FastAPI, Node.js, REST APIs, testing and debugging
Data & automation: PostgreSQL, MS SQL Server, Supabase, SQLAlchemy, workflow automation, RBAC, Google Apps Script
Tools: Git, GitHub, Docker, Linux, Vercel