Shareeq Rashid

+923111692621 | m.shareeqrashid2@gmail.com | Portfolio | Linkedin | Github

Education

FAST NUCES
Bachelor of Science in Software Engineering

Meritorious College
A Levels in Computer Science

Technical Skills

Languages: TypeScript, Python, Java, Go,
Frameworks: NestJS, ExpressJS, SpringBoot, FastAPI, ReactJS, NextJS
Tools & Technologies : Docker, AWS, Git, Swagger
Testing & CI/CD: Playright, Jest, Unit/Integration Testing, GitHub Actions

Experience

Associate AI Engineer January 2026 – Present
Aidapt *Karachi, PK*

- Built production-ready full-stack applications with AI integrations, including LLMs and RAG pipelines.
- Deployed applications on AWS EC2, troubleshooting deployment issues and resolving production tickets.
- Collaborated with cross-functional teams and data engineers to build backend services and data ingestion pipelines
- Improved internal business processes and SOPs while contributing to scalable, maintainable software solutions.

Backend Engineer August 2025 – January 2026
KhelKud *Karachi, PK*

- Built backend services across booking, user management, notifications, and platform infrastructure.
- Managed cloud infrastructure, CI/CD automation, Docker, Nginx, and production environments on a VPS.
- Implemented event-driven processing using queues, handling 1,000+ asynchronous jobs daily.
- Collaborated with frontend developers to design APIs, document endpoints, and deliver production features.

Backend Intern June 2025 – July 2025
WhatFlow *Karachi, PK*

- Developed and maintained backend APIs using NodeJS and Prisma ORM to manage app data efficiently.
- Integrated backend services with React Polaris frontend to support seamless user interactions.
- Collaborated with the team to implement features, optimize performance & fix bugs in a fast-paced environment.
- Gained practical experience working within the Shopify ecosystem and adhering to its app development standards.

Projects

ResearchCitadel | *NestJS, Next.js, PostgreSQL, Prisma, Redis, Socket.IO, Docker* ***Live***

- Built a team research platform with vault workspaces, source management, annotations, and multi-format citations.
- Implemented real-time co-editing and presence tracking via WebSocket rooms with conflict detection and resolution.
- Integrated AI-powered PDF extraction, summarization, and RAG-based Q\A with async queues and rate limiting.
- Designed an event-driven notification system handling 7+ domain events with WebSocket push and email delivery.
- Dockerized and deployed the full stack on a VM using Compose with PostgreSQL, Redis, and auto-migrations.

Navigoo | *NextJs, ExpressJs, Postgres, Playright, Jest* ***Live***

- Built an AI-powered timeline planner with structured curriculum generation and milestone tracking.
- Built timeline forking system allowing users to clone and customize public community roadmaps.
- Implemented Timeline versioning, completion tracking, and dynamic progress analytics per timeline.
- Achieved 80% test coverage across auth, validation, and data layers using Jest with containerized test environments.

Network Load Balancer | *Go, Docker* ***Live***

- Built an HTTP load balancer in Go with round robin, weighted round robin, and least connections.
- Implemented active health checking with automatic failover and recovery using background goroutines.
- Designed per-component RWMutex locking to allow concurrent health checks and request routing.
- Built a process manager to spawn backend servers with auto-port assignment and readiness gates