Abdul Ahad Niaz

Lahore, Pakistan

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WORK EXPERIENCE

Elktech   **Feb. 2025 – Present**

Software Engineer II   *Lahore, Pakistan*

Forward Deployed Engineer | MEDRINA (USA)

- Constructed a robust, high-throughput data ingestion pipeline using NestJS and a chunked Cron Job system deployed on Google Cloud Run to process 1,000+ daily HL7-formatted charts from the Claimocity API.
- Wrote custom transformers to align these ingested charts into the compliant FHIR standards, and directed 5,000+ asynchronous requests against five distinct AI/ML models. This generated critical business value by identifying significant under-billing revenue opportunities and predicting at-risk patients.
- Fortified pipeline compliance by integrating Google Cloud DLP for dynamic data de-identification, deploying multi-tiered dashboards to enable C-suite executives to track strategic performance across 1,200 nationwide facilities.

Curee AI (USA)

- Orchestrated a multi-tenant backend architecture with NestJS, Google's Bigtable, MongoDB, and Stripe-integrated subscription tiers that contributed to $120K+ in ARR. Pioneered production-grade Google Cloud observability following OpenTelemetry, and employed Grafana's k6 for load testing, predicting key system failures points.
- Successfully published 2 applications on the VimOS marketplace that reside on top of Vim's in-EHR connectivity layer. Provided a seamless experience for Physicians and Staff members of medical practices to read from and write to their respective EHRs resources.

Auxcube   **Feb 2022 – Jan 2025**

Software Engineer I   *Remote / Pakistan*

- For LAAMP, designed a scalable data processing pipeline with Amazon SQS and Authored 20+ optimized stored procedures, scheduling cron jobs for timely delivery of over 20,000 monthly reminders.
- Deployed mental health screenings on Telesage, established webhooks to track progress on Physchealth's web portal, and optimized admin dashboard resulting in a 67% faster load time by replacing slow Prisma queries with custom raw SQL. Leveraged a GraphQL-powered Shopify storefront SDK for payments of B2C model and onboarding.

Muhdin Enterprises   **May 2021 – Jan 2022**

Software Engineer I   *Remote / UK*

- Developed a Selenium-based bot for real-time pricing and automated order placement at optimal price points, resulting in a 35% increase in profits.

SKILLS

Programming: TypeScript, JavaScript, SQL, GraphQL, Python

Web and API Development: Node.js, NestJs, ExpressJs, Next.js, React, Angular, React Native,

Databases & Tools: Mongodb, PostgreSQL, SQLite, GCP, Docker

EDUCATION

National University of Science & Technology   **Sep. 2017 – June 2021**

Bachelors of Science in Computer Science   *Islamabad, Pakistan*

Courses: Algorithms & Data Structures, Operating Systems, Distributed Computing, Compiler Construction, AI

PROJECTS

Vespucci: Custom TipTap editor-based event planner with flight and lodging reservation nodes adhering to schema.org.

Pulse: Engineering a slack bot for work logging within the organization using Slack API, Postgres & Golang.

Kalena: Building a workspace to manage multiple calendars in one place. Tech stack includes Next15, Gin, and redis.