Umar Nazaket

Senior Full Stack Developer · Tech Lead · Angular · React · Node.js · Next.js · NestJS

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PROFESSIONAL SUMMARY

Dynamic Senior Full Stack Developer and Tech Lead with 6+ years of professional experience specializing in the Angular and Node.js ecosystems, with strong React.js, Next.js, and NestJS expertise. Proven track record of architecting scalable, high-performance web and mobile applications across Healthcare IT, EHR/clinical monitoring, e-learning, legal tech, and SaaS domains. Expert in building robust RESTful APIs with Node.js, Express, and NestJS, developing reactive Angular frontends with RxJS and NgRx, and crafting performant React and Next.js interfaces. Experienced in integrating LLM-powered features and Agentic AI workflows into production platforms, building data engineering pipelines, and leveraging modern AI/ML tooling to deliver intelligent, scalable solutions. Adept at designing serverless cloud architectures on AWS Lambda with working knowledge of Python (FastAPI, SQLAlchemy). Experienced in leading cross-functional teams of 4–6 developers within Agile/Scrum environments — managing 2-week sprints, conducting code reviews, and delivering multi-product roadmaps on schedule.

CORE COMPETENCIES

Languages: TypeScript (Expert), JavaScript (ES6+), Python, SQL

Frontend — Angular: Angular 2–17, RxJS, NgRx, Angular Material, HTML5, CSS3/SCSS, D3.js, Chart.js, jQuery

Frontend — React: React.js, Next.js, React Native, Redux, Tailwind CSS

Backend: Node.js, Express.js, NestJS, RESTful API Design & Architecture, TypeORM, FastAPI (Python), SQLAlchemy, JWT Authentication, WebSockets / Socket.io

AI / Data Engineering: LLM Integration, Agentic AI Workflows, Data Pipelines, n8n (Workflow Automation), Python Web Scraping, ETL Processes

Databases: PostgreSQL, MySQL, MongoDB, Firebase Realtime Database / Firestore

Cloud & DevOps: AWS Lambda (Serverless), AWS S3, RDS, ECS | CI/CD: Jenkins, GitHub Actions | Docker, Firebase Cloud Messaging (FCM)

Tools & Workflow: Git, Bitbucket, Jira, Agile/Scrum, Code Review, WordPress

WORK EXPERIENCE

Senior Software Engineer · Discretelogix · Islamabad, Pakistan

August 2023 – Present

- Led Angular development for PKG Health, a neurological disease monitoring platform — built precise data reporting dashboards, complex chart visualizations, and refined clinical UI workflows for medical professionals.
- Designed and deployed AWS Lambda serverless functions to optimize backend processing pipelines for sensitive healthcare data, improving throughput and reducing operational costs.
- Architected and developed the Utilitise.ai platform (https://app.utilitise.ai) — a 24/7 self-healing IT infrastructure product — building high-performance asynchronous APIs with FastAPI and PostgreSQL/SQLAlchemy, while simultaneously contributing to the React Native mobile application with real-time monitoring dashboards and push notification systems for instant administrator visibility into system health and automated remediation deployments.
- Built the WINC project using React for frontend components alongside a FastAPI and SQLAlchemy backend, implementing schema-driven database management and a responsive UI for a billboard management SaaS platform.
- Architected and developed RESTful APIs using Node.js, Express, and NestJS for the ATOM notification engine, handling complex multi-channel push notification workflows and device registration flows with PostgreSQL and TypeORM.
- Integrated Firebase Cloud Messaging (FCM) for real-time push notifications, managing device token lifecycle, topic subscriptions, and bulk dispatch across thousands of registered endpoints.

- Drove significant API performance improvements on the ATOM scheduling platform through targeted backend optimizations — including advanced PostgreSQL query tuning, efficient ORM usage with TypeORM, and correct promise-based async patterns — reducing response times and eliminating bottlenecks under high load.
- Built and maintained Agentic AI workflows and data engineering pipelines using n8n, integrating internal services, LLM APIs, and third-party data sources to automate complex multi-step processes and reduce manual operational overhead.
- Shipped full-stack e-commerce functionality for mailbox and locker management systems, including custom Python web scrapers for automated data collection and inventory synchronization.
- Collaborated with cross-functional teams (product, design, QA) in Agile/Scrum 2-week sprints, participating in backlog grooming, sprint planning, daily standups, and technical architecture reviews.

Full Stack Developer · Cloudtek · Islamabad, Pakistan

October 2022 – August 2023

- Contributed to an enterprise-scale benefits administration platform serving thousands of employers and employees — developed complex Angular modules for health insurance management, wealth plans, and enrollment workflows.
- Built and maintained full-stack application features using Node.js, integrating with AWS services (S3, RDS) for scalable asset storage and data persistence.
- Configured and maintained Jenkins CI/CD pipelines with Docker containerization, automating build, test, and deployment workflows — cutting manual deployment overhead and ensuring consistent production releases.
- Collaborated in an Agile team environment, adhering to strict code quality standards and delivering sprints on time within a large, distributed engineering organization.

Full Stack Developer & Tech Lead · SLOSH AI Solutions · Islamabad, Pakistan

April 2020 – October 2022

- Served as Tech Lead managing a team of 4–6 developers across multiple concurrent Angular and Node.js projects — running 2-week Agile/Scrum sprints, conducting code reviews, and owning delivery timelines from requirement sign-off through production release.
- Architected and delivered Elhusseiny USMLE Prep, a high-traffic medical exam platform — implemented complex question bank engines, live chat integration, course management, and student analytics dashboards using Angular and Node.js with MySQL, handling high concurrent load.
- Built Radiologica, a medical imaging platform supporting upload, storage, and AI-driven annotation of MRI/radiology scans using AWS S3 for media storage and Node.js RESTful services.
- Developed Pitch Ninjas, a startup pitch coaching platform, and Digittorney, a legal tech platform — shipped full-stack features including user authentication, document management, and dynamic dashboards.
- Built YourMedPass and Technician Store — an e-commerce and credentialing platform — integrating payment gateways, order management, and role-based access control.
- Implemented RESTful backend services for video analysis features, live chat (Socket.io), and complex MRI image management with metadata tagging and search indexing.

Junior JavaScript Developer · Techveria · Islamabad, Pakistan

July 2019 – March 2020

- Developed and managed WordPress-based websites, including a full e-commerce store and a tour-guide directory using HTML, CSS, and JavaScript.
- Gained foundational experience in web development workflows, client communication, and deployment processes for production web projects.

KEY PROJECTS

Utilitise.ai — Self-Healing IT Infrastructure Platform

Stack: FastAPI · PostgreSQL · SQLAlchemy · React · React Native · Client: Discretelogix

Architected high-performance asynchronous REST APIs using FastAPI and PostgreSQL for a 24/7 autonomous IT platform capable of detecting and remediating infrastructure failures without human intervention. Simultaneously built the React Native mobile application featuring real-time system health dashboards and push notification alerts, providing administrators with instant visibility into automated fix deployments and dramatically reducing manual intervention for critical infrastructure maintenance.

PKG Health — Neurological Disease Monitoring Platform

Stack: Angular · Python · AWS Lambda · FastAPI · Client: Discretelogix (Healthcare IT)

Acted as lead Angular developer for a clinical platform monitoring Parkinson's and neurological disease biomarkers. Delivered interactive data visualization dashboards, reporting modules, and clinical UI refinements integrated with a Python/FastAPI backend running on AWS Lambda serverless infrastructure, meeting precise medical workflow requirements.

ATOM — Enterprise Notification Engine

Stack: Node.js · NestJS · Express · TypeORM · PostgreSQL · Firebase FCM · Client: Nuvano.io

Designed and built the full backend notification system using Node.js and NestJS — device registration, topic management, scheduled push dispatching, and delivery tracking — for a multi-tenant SaaS platform with a focus on scalability and reliability. Drove measurable API performance gains through backend optimizations: query tuning with PostgreSQL indexes, efficient ORM patterns via TypeORM, and refactoring async flows to correctly leverage Promises — significantly reducing latency under concurrent load.

Elhusseiny USMLE Prep — Medical Exam Platform

Stack: Angular · Node.js · MySQL · AWS S3 · Socket.io · Client: Dr. Elhusseiny (USA)

Architected a high-traffic USMLE licensing exam prep platform with adaptive question banks, timed test engines, live chat support, video course management, and rich student performance analytics. Successfully scaled to thousands of concurrent medical students.

EDUCATION

Bachelor of Science — Software Engineering

COMSATS University Islamabad, Pakistan · 2016 – 2020

LANGUAGES

Urdu: Native **English:** Professional Proficiency