MUHAMMAD ULLAH

Backend-Focused Full-Stack Engineer | Node.js • TypeScript • PostgreSQL • React / Next.js

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PROFESSIONAL SUMMARY

Backend-focused Full-Stack Engineer with 6+ years of experience designing, building, and running production web applications with Node.js, TypeScript, Express, React, and Next.js. Specializes in REST API design, authentication and authorization (SSO/OIDC, JWT, RBAC), multi-tenant SaaS, third-party integrations with education and collaboration platforms, and data synchronization. Works across PostgreSQL, MySQL, and MongoDB with a focus on database optimization, and deploys on Docker, Linux, AWS, and Alibaba Cloud. Comfortable owning production troubleshooting end to end. Co-founder of Abler, a software engineering and product studio, and an independent consultant working directly with clients. Targeting Senior Full-Stack, Backend, Senior Node.js Engineer, and hands-on Tech Lead roles.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript

Backend: Node.js, Express.js, NestJS, Hapi.js, RESTful APIs

Auth & Security: SSO, OpenID Connect (OIDC), JWT, Role-Based Access Control (RBAC)

Architecture & Integrations: Multi-tenant SaaS, third-party API integrations (education and collaboration platforms), data synchronization

Databases & Caching: PostgreSQL, MySQL, MongoDB, Redis, Firebase; query and database performance optimization

Frontend: React.js, Next.js, Redux, Tailwind CSS, Ant Design, shadcn/ui, HTML, CSS/SCSS, Bootstrap

Cloud & DevOps: AWS (EC2, RDS, S3, Lightsail), Alibaba Cloud, Docker, Linux; production troubleshooting

PROFESSIONAL EXPERIENCE

ProductBox | Associate Full Stack Engineer **Nov 2023 – Present**

- Design and develop full-stack web applications on Node.js, Express.js, React.js, and MongoDB (MERN), translating product requirements into scalable technical solutions.
- Build and maintain RESTful APIs and backend services that power core product functionality.
- Develop reusable, responsive frontend components with React.js and Next.js.
- Identify and resolve performance issues to improve application reliability and maintainability.
- Collaborate with cross-functional teams to plan, implement, and ship new features.

Abler | Co-Founder **Present**

Software engineering, product, and applied-AI studio (abler.dev)

- Co-founded a senior product team that designs, engineers, and ships custom web platforms, cloud infrastructure, and applied AI solutions for businesses, staying with each product from MVP through scale.
- Studio work includes MotorBazaar, a dealership management SaaS platform that tracks every vehicle from inspection and preparation through listing and customer enquiries.
- Runs a client delivery process of discovery, planning, iterative releases, and measured improvement on a stack that includes TypeScript, React, PostgreSQL, AWS, and Vercel.

NQTech Consulting Inc. | Full-Stack Engineer (Part-Time) **Oct 2024 – Present**

- Design and implement RESTful APIs and backend services that support clinical reporting workflows for healthcare applications.
- Develop and enhance medical reporting modules, including frontend features for managing medical reports and related healthcare data.
- Resolve production issues and improve application performance while delivering new features with the development team.

Independent Consultant | Freelance Full-Stack / Backend Engineer **Present**

- Work directly with clients to scope, build, and maintain backend-focused web applications, APIs, and third-party integrations.

JMM Technologies | Software Engineer (MERN Stack) **Mar 2022 – 2023**

- Developed full-stack features end to end with MongoDB, Express.js, React.js, and Node.js.
- Built and maintained backend services and REST APIs supporting core application workflows.
- Diagnosed and resolved production issues to keep the application stable.
- Refactored existing code to improve performance and long-term maintainability; built reusable React.js components.

CodeNinja Inc. | Associate Software Engineer (MERN Stack) **Mar 2021 – 2022**

- Built backend logic and database interactions for new features across the MERN stack.
- Maintained and improved existing frontend interfaces; resolved reported bugs and improved code quality.
- Worked with senior engineers to deliver production-ready software.

SELECTED PROJECTS

PuppyDog | puppydog.io | *~2 years* | *Node.js*, *Express.js*, *React.js*, *MySQL*
AI-powered SaaS platform for creating personalized product demo videos, tailoring content to audiences, integrating with CRM systems, and tracking engagement analytics.

Salary Hero | *NestJS*, *Node.js*, *MongoDB*
Financial wellness platform that integrates with HR and payroll systems so employees can access earned wages before payday, with budgeting, savings, and financial education tools.

Worklics | *Node.js*, *Hapi.js*, *PostgreSQL*
HRMS for managing employees, attendance, work schedules, timesheets, leave requests, and payroll workflows, with role-based access and reporting.

Avaxia Medical Reporting | *React.js*, *Node.js*, *PostgreSQL*
Healthcare reporting platform for creating, managing, and reviewing structured diagnostic reports while securely maintaining patient and clinical information.

Asaman | *React.js*, *Node.js*, *PostgreSQL*
Platform providing online business solutions for organizations, with customer management, workflow automation, and business operations features.

Also: Elmsanad (.NET, Node.js, React.js, PostgreSQL); Prime-Levels (.NET, React.js, PostgreSQL).

EDUCATION

Islamia College University, Peshawar | Bachelor of Science in Computer Science **2016 – 2020**