

Malik Abdul Wahab

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WORK EXPERIENCE

Public Sector

Nov. 2022 – Present

Senior Software Engineer

Islamabad

- Did several projects using React.js and Tailwind CSS to enhance the user interface design and improve responsiveness of public facing applications.
- Architected and implemented several robust and secure RESTful APIs using Nest.js and Node.js along with admin panels and implemented role-based access control using JSON Web Tokens
- Worked with several databases including PostgreSQL and SQL Server and utilized Prisma as an ORM.
- Servers and Network administration

Freelancing

Oct. 2020 – Present

Software Engineer

Remote

- Developed a quiz game application using React.js, Tailwind CSS, Daisy UI and Redux toolkit.
- Designed and developed a full stack WhatsApp bot application using Next.js and Node.js, integrated with the OpenAI API to enable AI-driven message summarization and automated responses in real time.
- Architected and developed an application for client management and advanced data analytics.
 - Frontend: React.js, Tailwind CSS, Daisy UI, Redux toolkit, Plotly.js
 - Backend: Node.js, Express.js, JSON web tokens.
 - Database: PostgreSQL with Prisma ORM.
- Designed and developed Identity scanner application utilizing Optical Character Recognition (OCR) for extraction of National Identity Card (NIC) number and database storage using Tesseract.js and node.js worker threads.
- Designed and developed multiple secure API end points for CRUD applications.

Emumba

Aug. 2020 – Sep. 2020

Junior Engineer

Islamabad

- Received hands-on training in Linux, Docker, CMake, Git, and Python.

EDUCATION

Pakistan Institute of Engineering and Applied sciences (PIEAS)

Oct.2020 – Nov.2022

MS, Cyber Security

Islamabad

- Awarded 3.78/4.0 GPA
- Achieved a full scholarship with stipend based on academic merit.

National University of Computer and Emerging Sciences (FAST-NUCES)

Aug.2016 – Aug.2020

BS, Computer Engineering

Islamabad

- Graduated cum laude; 3.68/4.0 GPA
- Consistently awarded Dean's Honors for seven consecutive semesters.
- Managed and led numerous events as General Secretary (Events) of Engineering Society.

SKILLS

Express.js; Node.js; Next.js; React.js/React native; Nest.js; JavaScript/Typescript; Shadcn/ui; TailwindCSS; PostgreSQL; MongoDB; MySQL; Server-sent events; WebSocket; Git; Docker; Shell scripting; Linux; Prisma ORM; Nest.js; Database design and development; Restful API development; Web application security; Authentication/Authorization; SQL; MongoDB; Jest; Project Management; Network administration