

AMEER HAMZA

Senior Software Engineer

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SUMMARY

Senior Software Engineer with **3+ years** of experience in full-stack development, specializing in MERN stack, NestJS, and Python. Expertise in building scalable microservices architectures, utilizing NestJS for back-end services and Python for AI-based predictions and data processing. Adept at managing both front-end and back-end development, integrating Python and JavaScript technologies to deliver high-performance, user-centric applications. A passionate problem solver committed to continuous learning and leveraging cutting-edge technologies.

SKILLS

Backend: Node.js, Nest.js, Python, Django MongoDB/Mongoose, Flask, GraphQL/REST, TypeORM/PostgreSQL, Redis, Jest

Frontend: React.js, Next.js, Storybook, React-Testing-Library, Tailwind CSS , Material-UI, Redux-toolkit/RTK, HTML/CSS

Tools & Technologies: Git, GitHub, Jira, GitLab , Docker, AWS EC2/S3, Heroku, GCP, PubSub

EXPERIENCE

Senior Software Engineer

Lahore, Pakistan

Devsinc

03/2024 - Present

- Contributed to the development of AI-driven platforms, leveraging **NestJS** for robust back-end services, **Python** for predictive analytics, and **React.js** for building interactive, data-driven front-end interfaces.
- Built dynamic, real-time dashboards using **React.js** and visualization libraries like **Chart.js** to display AI-generated insights, including custom graphs tailored for specific use cases, enhancing the decision-making process for end-users.
- Integrated Python-based AI prediction services into the microservices' architecture to provide real-time insights for an AI-driven application.
- Worked on microservices using **NestJS** to manage user data, real-time updates, and integrated **Python AI modules** to provide predictive insights, while ensuring seamless integration with the front-end through efficient, scalable APIs.
- Developed custom APIs with both **NestJS** to optimize performance for AI-based predictions, resulting in faster processing times and improved responsiveness in **React.js** applications.
- Used **Storybook** to create reusable UI components for dashboards and data visualization, ensuring consistent design patterns and improving development speed across multiple projects.

Software Engineer

Lahore, Pakistan

Devsinc

02/2023 - 02/2024

- Developed AI-driven platforms using **NestJS** for back-end services, **Python** for predictive analytics, and **React.js** for front-end interfaces.
- Built microservices with **NestJS** to manage user data and integrate **Python AI modules** for real-time predictive insights.
- Enhanced scalability by implementing microservices, streamlining communication between **Python AI services** and the **React.js** front-end.
- Created APIs with **NestJS** to optimize AI predictions and improve front-end performance.
- Designed interactive dashboards using **React.js** and **Chart.js**, incorporating custom graphs for data visualization.

Associate Software Engineer

Lahore, Pakistan

Devsinc

02/2022 - 02/2023

- Developed and optimized front-end components using **React.js** and **Next.js**, creating intuitive user interfaces that improved overall user engagement and satisfaction.
- Collaborated with cross-functional teams to ensure seamless integration of Nest.js and Node.js services, resulting in enhanced application performance and reliability.
- Contributed to Agile processes, actively participating in sprint planning, daily stand-ups, and code reviews, which fostered a culture of collaboration and continuous improvement within the team.
- Enhanced code quality through unit tests and troubleshooting.
- Actively engaged in knowledge sharing sessions and workshops, helping to elevate team skills and promote best practices in front-end development and design methodologies.

PROJECTS

Predict View (Full-Stack-Developer)

<https://predictview.com/>

Built microservices using NestJS for managing back-end processes and real-time data handling in an AI-driven mental wellness platform. Integrated Python-based AI prediction models into the platform, providing personalized insights through machine learning algorithms. Managed the back-end with NestJS and PostgreSQL, while developing the front-end using React.js to enhance user interaction.

Shopmonkey (Full-Stack-Developer)

<https://www.shopmonkey.io/>

Developed and contributed to the Shopmonkey website, a cloud-based SaaS platform designed for auto repair shops to streamline operations such as scheduling, invoicing, and customer management. Worked closely with cross-functional teams to implement responsive UI components using React and Tailwind CSS, ensuring a seamless and user-friendly experience across devices. Focused on optimizing performance and integrating backend APIs to deliver a high-quality product.

Kangaroo Health (Front-End Developer)

<https://kangaroohealth.com/>

Worked on the front-end using React.js, collaborating closely with designers for UI/UX improvements. Contributed to the integration of Python-based services with the platform's back-end, ensuring secure data management for patient care solutions.

Easy Button Skip Tracing (Front-End-Developer)

<https://easybuttonskiptrace.com/>

Developed and enhanced the Easy Button Skip Tracing platform, a tool designed to provide fast and accurate skip tracing services for real estate investors and professionals. Focused on building an intuitive interface and implementing efficient data processing workflows to deliver reliable contact information and property insights.

EDUCATION

Bachelors in Computer Science

COMSATS Institute of Information Technology