MUHAMMAD SHAHIR YAR

Full Stack Developer (MERN)

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Professional summary

Innovative and results-driven Full Stack Developer with up to 4+ years of experience specializing in the MERN stack, AWS services, and scalable backend architecture. Skilled in designing, deploying, and optimizing complex web applications, with practical experience in server management, containerization, and automated deployment processes. Demonstrated proficiency in AI-driven application development, performance optimization, and seamless integration of third-party APIs to enhance functionality and user experience. Effective communicator with fluent English skills, experienced in collaborating with cross-functional teams to achieve project goals.

Skills

- JavaScript programming | Typescript

- Backend Technologies: Node Js |Nest Js | Express Js | AWS Lambda | AppSync | S3

- API integration: Slack |Sendgrid | Eventbrite | Kroger |Suggestic | Swagger| HR Systems like BambooHR, Personio, SquarePayroll

- Platforms & Tools: AWS, Lambda Functions, Microsoft Azure, Google (Cloud, Firebase Analytics, Developer Tools), Visual Studio

- Version control and documentation of code in an organized manner. GitHub, Gitlab. LINUX/UNIX, cmd tools · Experience with Software

- Problem solver, flexible and adaptable. · Strong interpersonal, collaboration, planning and analytical skills.

- Database: MongoDB | Firebase | DynamoDB | PostgreSQL | MySQL | SQL

- Frontend Technologies: React Js | Next Js | HTML | CSS

- RESTful apis development

- Visio, XAMPP, MVT, MVC, UML Architect, Visual paradigm, VS Code

- Life cycle, Mentorship, Agile methodologies, Code Reviews, Architect Design · Deadline & detail oriented, self-monitoring, team player

- Technical design documentation

Work history

Full Stack Developer, Amrood Labs   10/2024 - Current
Nureply [Https://app.nureply.com/] – Lahore, Punjab, PK, Punjab

- As a Full Stack Developer at Nureply, I have leveraged my experience to contribute significantly to the development and enhancement of our AI-powered cold email software.
- Developed and maintained scalable web applications using Next.js and NestJS, ensuring seamless user experiences and robust backend services.
- Implemented containerized applications with Docker, facilitating consistent development and deployment environments.
- Optimized data storage and retrieval by integrating MongoDB, enhancing the performance and scalability of our applications.
- Improved system performance through the use of Redis for efficient caching mechanisms.
- Integrated third-party services such as S2 and EmailEngine, expanding the functionality and reliability of our email marketing solutions.
- Collaborated closely with cross-functional teams, including product managers and designers, to deliver features that align with user needs and business objectives.

- Maintained high code quality standards by conducting thorough code reviews and implementing best practices in software development.
- My technical expertise and proactive approach have been instrumental in advancing Nureply's mission to provide businesses with innovative tools for creating personalized email campaigns, ultimately enhancing response rates and return on investment.

Full Stack Developer, Amrood Labs   02/2024 - 10/2024

Mail Router – Lahore, Punjab, PK, Punjab

- As a Full Stack Developer, I was responsible for building a robust Mail API service from the ground up. I worked with technologies such as Node.js, TypeScript, REST APIs, AWS Lambda, AWS CloudFormation, and CloudWatch to create a scalable and secure backend infrastructure. My role involved handling critical aspects such as domain and IP restrictions, email field management, and ensuring compliance with email protocols. I collaborated closely with the frontend team to integrate backend functionalities with a Next.js-based user interface.
- Designed and implemented scalable backend architecture.
- Managed domain restrictions and IP filtering for secure email transmission.
- Developed RESTful APIs to facilitate seamless frontend-backend communication.
- Utilized AWS Lambda for efficient serverless computing.
- Employed AWS CloudFormation for infrastructure as code.
- Monitored system performance and reliability with AWS CloudWatch.
- Wrote extensive unit test cases to ensure system reliability and performance.
- Developed unit test cases for testing, automation and performance.
- Contributed ideas and suggestions in team meetings and delivered updates on deadlines, designs, and enhancements.

Software Developer, Aurora Solutions   08/2022 - 02/2024

Kinfolk [https://www.kinfolkhq.com/] – Islamabad, PK, Islamabad

- Node js, Nest js, Typescript, REST API, AWS Lambda, AWS Amplify, AWS DynamoDB, Slack notification Bots, Teams notification Bot |, It's platform that help companies for smooth on-boarding of their employees for new hires and also help bringing data from their HR system to this platform manage employees more efficiently and have multiple other tempting feature like journey for new hire for their smooth on boarding, automated on-boarding meetings and automated scheduled notifications systems with flexibility of communicating for employees of single organization on multiple platforms
- Like slack, Microsoft Teams
- Contributions: - Algorithm Development: Server-less and independent of Time zones (Notification Scheduler system), Recommendation system - Back-end: Database design and architecture.
- Advanced GraphQL queries and Rest APIs in Typescript with Nest Js
- Platform and SDK integrations: Slack notification App development and publishing, HRIS API integration, AWS Amplify Authentication
- Teams notification Bot etc
- Created comprehensive documentation detailing software functionality for future reference or maintenance purposes.

Associate Software Developer, Aurora Solutions   02/2022 - 07/2022

Aurora Portal – Islamabad, PK, Islamabad

- Node js, Nest js, Firebase, Fire store, Typescript, Swagger, Rest Api's |, Company's internal product, web app for employees and management like HR, Admin, Team leads and project managers.
- So that can easily keep track of each and every employee in company
- With few HR systems like employee holiday management system, Lunch
- Order and Attendance Management system
- Contributions: - Algorithm Development: Attendance System, Holiday System, Work-log System, Feedback System, Admin System
- Backend: Database design and architecture
- Advanced Firebase queries and Rest APIs in TypeScript with Nest Js.

- Contributed towards positive work culture by demonstrating strong communication skills, teamwork capabilities, adaptability and eagerness to learn.
  Increased application stability by implementing comprehensive error handling and logging mechanisms.
- Developed innovative solutions by identifying, analyzing, and resolving complex software issues.
- Assisted in project planning, providing accurate time estimates for task completion.

Junior Software Developer, Aurora Solution   10/2021 - 01/2022
Bitewell [https://www.bitewell.com/] – Islamabad, PK, Islamabad
- Mobile app that will bring expertise of world-class dietitians and convenience of local food to the palm of your hand.
- You can order food, groceries and plan for the whole month in advance on what to eat even while traveling.
- We recommend customized each user's meals according to workout, goals, dietary preferences, allergies and location.
- This is one stop for all your dietary needs with minimum time consumption.
- Contributions: - Front-end: Responsive mobile app design and integration using REST API.
- Platform and SDK integrations: Kroger, Suggestic, Firebase Authentication etc.
- Assisted senior developers in complex problem-solving, enhancing overall team productivity and efficiency.
- Enhanced software performance by identifying and fixing bugs through thorough testing and debugging processes.

Education

Bachelor of Science: Computer Science
FAST National University of Computer And Emerging - Islamabad, IS

Accomplishments

- Certification: AWS Certified Cloud Practitioner (https://www.credly.com/badges/ec879e72-da1c-40b8-a65b-dc2edf405335/linked_in_profile)
- Chat bot implementation
I have developed a Slack chat bot that assists customers with
communication across the platform.
- 30% improved query efficiency by designing and fully revising the two largest NoSQL databases.

Certifications

AWS Certified Cloud Practitioner

Dec 2022

Technology Stack

- JavaScript
- TypeScript
- Next Js
- React Js
- Node Js
- Nest Js
- Express.Js
- AWS Amplify
- Lambda Function
- DynamoDB
- MongoDB
- Firebase
- SQL
- GithHub

- JIRA
- YouTrack

Languages

Urdu

English

Native or Bilingual

Hindi

Native or Bilingual

Punjabi

Native or Bilingual

Interests

Badminton

Football

Music

Movies

Hiking