

Md Numan Hussain

Full Mern Stack Developer

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[LinkedIn](#) | [GitHub](#)

Profile:

Experienced MERN Stack Developer with a strong background in designing and building responsive web applications using React.js, Node.js, and MongoDB. Skilled in creating and managing APIs, implementing secure authentication, and deploying applications on cloud platforms like AWS and Azure. Proficient in CI/CD pipelines, containerization with Docker, and Agile workflows. Demonstrated expertise in testing, debugging, and optimizing applications for performance and scalability. Adept at collaborating with cross-functional teams to deliver high-quality, user-focused solutions. Passionate about leveraging technology to solve complex problems and create efficient, scalable systems.

Technical Skills:

- **Frontend:** React.js, JavaScript (ES6+), TypeScript, HTML5, CSS3, Bootstrap, Material-UI, Redux, jQuery, AJAX, JSON
- **Backend:** Node.js, Express.js, RESTful APIs, Serverless Architecture, Authentication (JWT, OAuth)
- **Databases:** MongoDB, MySQL, Firebase Realtime Database
- **Cloud Services:** AWS (EC2, S3, Lambda, API Gateway), Microsoft Azure (Functions, App Service, Storage Account)
- **Version Control & CI/CD:** Git, GitHub, GitLab, Bitbucket, Jenkins, Docker CI/CD Pipelines
- **Containerization & Orchestration:** Docker, Kubernetes
- **Testing & QA:** Jest, Mocha, Chai, Cypress, Test-Driven Development (TDD)
- **Project Management & Collaboration:** Jira, Trello, Agile Scrum, SDLC
- **Architectural Principles:** MVC Architecture, Component-Based Design, REST API Design, SOLID Principles
- **Operating System:** Windows, macOS, Linux (Ubuntu, CentOS)

Certifications:

- **Microsoft Certified: Azure AI Fundamentals** (Jun 2024)
- **Software Engineer Certification** (Jul 2024)
- **JavaScript Specialist Certification** (Jul 2024)
- **Frontend Developer Certification** (Jul 2024)
- MERN Foundation Training
- Dynamic Frontend with React Training
- Backend with Node and Express Training

Experience:

Full Stack Mern Developer (Trainee)

Aug 2024 – Present

Fortray Global Services LTD, London

- Develop and maintain **responsive web applications** using **React.js**, **Redux**, and **modern JavaScript frameworks**, ensuring optimal user experience.
- Build and manage **scalable RESTful APIs** and microservices using **Node.js** and **Express.js** to enable seamless frontend-backend communication.
- Design, implement, and optimize **MongoDB databases**, ensuring efficient data handling, indexing, and integrity.
- Deploy and maintain applications on **AWS**, **Azure**, or **Heroku**, implementing CI/CD pipelines, version control with **Git/GitHub**, and cloud security best practices.
- Implement **JWT-based authentication and role-based access control (RBAC)** to enhance security and user management.

- Conduct **unit, integration, and end-to-end testing** using Jest, Mocha, and Postman to ensure code reliability and performance optimization.
- Collaborate in an **Agile/Scrum** environment, participating in **daily stand-ups, sprint planning, and retrospectives** to align development efforts with project goals.
- Maintain high **code quality and best practices** through **peer code reviews, refactoring**, and following **SOLID principles and software design patterns**.
- Document workflows, architectural decisions, and development processes for **knowledge sharing and future scalability**.

Projects:

NextGen Coders - Programming Learning App

University of Hertfordshire, Hatfield, UK | Sep 2023 – Feb 2024

- Designed and developed an Android app in Java to teach programming languages (Java, Python, JavaScript, C++) with an integrated IDE and AI-powered feedback.
- Leveraged tools like Android Studio, Firebase, MySQL, OpenAI API, JDoodle API, Postman, and GitHub for development and version control.
- Implemented Agile methodology, conducted extensive black box, white box, automated, and manual UI testing, and applied distributed system principles for optimization.
- Received positive beta feedback for usability and educational effectiveness, showcasing robust database management and ML capabilities.

Finance Master - Comprehensive Financial Tracker

Freelance | Jan 2024 – May 2024

- Developed a distributed web application for managing personal finances, including income, expenses, savings, budget tracking, and financial goal setting.
- Utilized React.js, Flask, PostgreSQL, Node.js, OAuth, bcrypt, and NoSQL databases for secure authentication and automated transaction processing.
- Followed Agile practices and conducted unit, integration, and UI testing to ensure reliability and system efficiency.
- Earned positive user feedback for its intuitive interface and effective financial oversight features, showcasing strong backend development and pipeline integration expertise.

HR Portal – Human Resource Management System

University of Hertfordshire, Hatfield, UK | Mar 2023 – May 2024

- Developed a MERN stack-based HR portal with RBAC, employee self-service, and payroll tracking.
- Designed RESTful APIs for seamless frontend-backend communication.
- Utilized MongoDB for efficient data management and GitHub for version control.
- Followed Agile methodology, ensuring iterative development and testing.
- Conducted UI and functional testing, enhancing system reliability.
- Received positive stakeholder feedback for usability and efficiency.

Education:

BSc in Software Engineering

University of Hertfordshire, UK

Sep 2021 – May 2024

Reference:

Will be available upon request.