

Raja Nouman Hussain

Software Engineer

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PROFILE

Results-driven Backend Engineer with over 2 years of experience in Node.js, Express, and NestJS, specializing in building scalable, high-performance APIs and backend systems. Proficient in CI/CD pipeline implementation, integrating legacy systems, optimizing application performance, and ensuring reliability in large-scale applications.

EDUCATION

Bachelors in Computer Sciences, National University of Science and Technology(NUST)

09/2019 – 07/2023

PROFESSIONAL EXPERIENCE

Software Engineer, Ccript

11/2024 – present | Remote

- Architected and developed scalable backend solutions using Node.js, Express.js, and NestJS, optimizing performance and maintainability.
- Debugged and optimized backend code to enhance application performance, security, and reliability.
- Implemented CI/CD pipelines on AWS, automating deployment processes and improving development efficiency.

Associate Software Engineer, Ccript

01/2023 – 11/2024 | Remote

- Designed and developed backend services using Node.js, Express.js, and NestJS, ensuring high availability and scalability.
- Built and maintained RESTful APIs for seamless frontend integration.
- Collaborated with cross-functional teams to enhance system performance and user experience.

Trainee Software Engineer, Developer Studio

10/2022 – 12/2023 | Lahore, Pakistan

- Built foundational backend development skills, contributing to hands-on projects and solidifying expertise in backend engineering principles.

PROJECTS

Purchase Portal

- Designed and deployed a secure, multi-approval workflow system for student purchases (educational trips, tutoring, laptops), handling fund allocation, order placement, and real-time status tracking.
- Implemented a role-based approval chain: Parents submitted requests → Teachers reviewed/rejected with comments → Purchasing team finalized approvals, ensuring transparency and accountability.
- Developed a real-time group chat feature per request (Socket.io) for seamless communication between parents, teachers, and admins.
- Built RESTful APIs (Node.js/Express) with Azure SQL (structured data) and Blob Storage (documents/images), deployed via Azure Web App.

CHKR

- Developed a scalable backend for a SaaS platform enabling companies to purchase, onboard, and manage employees, assign tasks, and process payments.
- Designed a flexible task allocation system:
 - Companies could assign a single task to multiple employees, with dynamic payment splitting configured during assignment.
 - Automated payout calculation via Stripe integration, disbursing earnings upon task completion
- Built role-based access control (RBAC) for admins, managers, and employees with secure API endpoints.
- Built RESTful APIs (Node.js/NEST) with PostgreSQL (structured data) and AWS S3 (documents/images), deployed on AWS EC2 with RDS.
- Ensured real-time updates for task status changes and payment notifications.

BroadCast Church

- Developed church sermon scheduling system with user analytics and engagement metrics.
- Implemented a real-time chat system using Socket.io, featuring private messaging and a host-controlled, invitation-based chat system for seamless host-guest interactions.
- Built RESTful APIs (Node.js/Express) with PostgreSQL (structured data) and AWS S3 (documents/images), deployed on AWS EC2 with RDS.

Time Clad(E-commerce)

- Built scalable backend with Express.js & PostgreSQL, handling product catalog, orders, and user accounts.
- Implemented real-time chat (Socket.io) for customer-merchant communication.
- Integrated Stripe for secure payment processing (one-time).

CERTIFICATES

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| • Scripting for Testers | • Python for Automation | • Supervised Machine Learning: Regression and Classification |
| • Introduction to Back-End Development | • Introduction to Databases for Back-End Development | • Version Control |

SKILLS

Programming Languages :

JavaScript, TypeScript, Python

Frameworks :

Node.js, Express.js, NestJS, Django

Cloud & Tools :

• AWS (EC2, RDS, S3), Azure(Webapp,Blob Storage,Azure SQL)
Docker, Git, Postman

Databases

PostgreSQL, MySQL, MongoDB, Redis