Mubashir Ali Software Development Engineer (Backend)

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SKILLS

- Node.js, MongoDB, JavaScript, Java, PostgreSQL, TypeScript, Redis, Elasticsearch, Microservices

EXPERIENCE

Software Development Engineer (Backend) Aug 2024 - Present
Radical Minds

- **Led the end-to-end development** of a **scalable Learning Management System (LMS)**, including **system architecture**, **database design**, and backend logic.
- Built and maintained **300+ RESTful APIs** supporting core LMS functionalities.
- Designed and deployed **microservices** for **real-time messaging**, **email**, **SMS**, and **WhatsApp communication** using **Node.js**.
- Implemented **security**, **rate limiting**, **logging**, and **versioning** strategies for **production-grade API services**.
- Ensured **high availability** and **modularity** through **Docker** and **CI/CD pipelines**.

Software Development Engineer (Backend) Jan 2021 - Jul 2024
Lythouse

- Developed over **300 high-performance**, **low-latency RESTful APIs**, achieving a **30% improvement** in application responsiveness.
- Applied **functional programming principles** to enhance **code modularity**, resulting in a **25% reduction** in maintenance time.
- Designed and optimized **aggregation pipelines** using advanced **MongoDB techniques**, improving **data processing speed by 40%**.
- Engineered **real-time notification systems**, facilitating **seamless updates across platforms** and **increasing user engagement by 20%**.
- Developed an **auto-upload functionality** that streamlined **video transfers from Azure to Vimeo**, reducing **operational workload by 90%**.
- Built **scalable server-side applications** with **Node.js**, optimizing **data processing** and achieving a **50% increase in efficiency**.
- Actively contributed to **bug-fixing**, **code reviews**, and **mentoring**, enhancing **team productivity** and **code quality**.

PROJECTS

Authentication-Framework
🔗 https://github.com/mub4shir/auth-framework

- Developed a robust **Authentication Framework API** for **user registration and management**, adhering to **CRUD principles**, enhancing **user onboarding by 30%**.
- Implemented **error handling middleware**, improving **API reliability** and reducing **user-reported issues by 40%**.
- Integrated **authentication middleware** to **secure routes** and **manage user roles**, resulting in a **25% increase in system security**.
- Conducted **validation using Mongoose**, ensuring **data integrity** without external libraries, which improved **data accuracy by 20%**.
- Created a **database seeder** to streamline **data import and destruction for testing**, reducing **setup time by 50%**.
- Established robust **security measures**, including **encrypted passwords** and **rate limiting**, mitigating **security threats** and enhancing overall **application safety**.

EdTech-Management API
🔗 https://github.com/mub4shir/EdTech-Management

- Engineered a **robust backend application** for an **Ed-Tech directory website**, increasing **user engagement by 30%** through enhanced **resource management**.
- Designed and implemented comprehensive **use cases** for **Schools**, **Students**, **Users**, and **Authentication**, achieving **99.9% data consistency and integrity**.
- Developed the application using **Node.js**, **Express**, and **MongoDB**, improving **scalability and efficiency by 40%** for **educational data management**.

EDUCATION

BGSB University 2020
BE/B.Tech/BS in Information Technology
Algorithms, Data Structures, C, C++, Java, Linux, Database Management Systems (DBMS), Operating Systems, Computer Networks, Object-Oriented Programming (OOP), Software Engineering, System Design.