

FAHAD BIN MOHAMMAD HOSSAIN

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SUMMARY

Junior Software Engineer with experience in back-end development, specializing in building scalable microservices. Passionate about solving complex problems and delivering impactful, business-driven solutions.

SKILLS

Programming Languages	C++, JavaScript, TypeScript, Python
Backend Technologies	ExpressJS, NodeJS, NestJS, RabbitMQ
Frontend	Tailwind, ReactJS, NextJS, Redux
Databases	MySQL, MongoDB, Redis
DevOps & Tools	Git, Agile, Jira, Docker, AWS, ArgoCD

EXPERIENCE

Junior Software Engineer **Sep 2024 - Present**
6sense Technologies - Dhaka

- Developed high-performance back-end solutions with NestJS and MongoDB, designing and implementing scalable microservices architecture that leveraged RabbitMQ for efficient communication, optimized data processing, and seamless system performance
- Worked with CI/CD pipelines using ArgoCD and utilized Redis for caching, significantly improving software performance and responsiveness.
- Integrated AWS services, including S3, to manage file uploads and enhance system functionality.

Backend Developer - Internship **Mar 2024 - Aug 2024**
6sense Technologies - Dhaka

- Contributed to a dynamic project that build with NestJS, NextJS, MongoDB etc.
- Developed and maintain RESTful APIs, ensuring seamless integration and robust data handling.
- Resolved existing bugs, and wrote unit test cases to enhance functionality and reliability.

PROJECTS

Checkmate - A multiplayer chess game site. [\[Code\]](#)

Tech Stack: Handlebars.js, CSS, Node.js, MongoDB, Socket

- Developed the front-end using Handlebars.js for server-side rendering and CSS for crafting visually appealing designs.
- The backend was built using Node.js and Express.js for efficient routing and handling API integrations.
- Used node mailer to manage email verification and automated email notifications.
- Database management utilized MongoDB as the database to store and manage all data.

Task Manager - A fully functional task organizer. [\[Live\]](#) [\[Code\]](#)

Tech Stack: React.js, Node.js, Express.js, MongoDB.

- Front-end development using react.js for creating interactive, intuitive, and responsive design.
- Backend development using node.js, express.js to handing authorization, API integration, protecting routes, database operation, and generating user authentication token - JWT.
- Database management utilized MongoDB as the database to store and manage user data.

EDUCATION

Bangladesh University of Business and Technology - BUBT

2019 - 2023

Bachelor of Computer Science and Engineering

CGPA: 3.63 out of 4