



# Aayush Sen

## Senior Software Engineer

Senior Backend Developer with **3+ years** of experience in building **scalable and secure backend systems**. Proficient in **Node.js, Express.js, MongoDB, MySQL, PostgreSQL, and Redis**. Experienced in **AWS deployments (EC2, S3, ACM, Route 53, DocumentDB)** and CI/CD automation using **Docker, GitLab, and GitHub Actions**. Successfully **improved API performance by 30%**, enhanced security with **role-based authentication**, and optimized server response times for high-traffic applications.

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### WORK EXPERIENCE:

#### Senior Software Engineer      08/2023-present CorHaven - Delhi

##### Achievements/Tasks:

- Led a **cross-functional team** of 4 professionals, including backend developers, frontend developers, testers, and UI/UX designers, to deliver a scalable and secure FinTech platform.
- Played a key role in **backend API development** to ensure seamless functionality and optimized performance.
- Successfully improved **API execution speed** by implementing efficient algorithms and optimizing database queries.
- Enhanced application security by implementing **role-based authentication** and adhering to industry best practices for data protection.
- Collaborated with the UI/UX team to ensure user-centric design and functionality aligned with business goals.
- Conducted regular code reviews and team meetings to maintain project quality and align deliverables with timelines.
- Worked closely with testers to identify and resolve critical issues, ensuring a smooth user experience.

#### Software Engineer      10/2022-07/2023 EZYBZY - Remote

##### Achievements/Tasks:

- Spearheaded backend development for two major projects: **E-Service Platform** and **E-Chatting Application**.
- Enhanced API performance by 30% through optimization and efficient handling of server requests.
- Engineered scalable backend solutions by implementing core functionalities and improving system performance.
- Followed the **MVC Design Pattern**, ensuring modularity and maintainability in the codebase.
- Developed **role-based authentication** using JWT, enhancing security and access control.

- Streamlined version control and project management using **GitHub**.
- Collaborated closely with frontend developers to ensure seamless integration of backend APIs.
- Delivered both projects ahead of schedule, meeting all quality and functionality standards independently.

#### Junior Software Engineer      01/2022-09/2022 REDVision Global Technologies Pvt. Ltd-indore

##### Achievements/Tasks:

- Joined as a **Junior Software Developer** at a fintech company focused on mutual fund products.
- Worked as a **Junior Backend Developer**, primarily using **Node.js** for backend development.
- Developed and managed **automation projects** for platforms like **CAMS** and **Karvy**, streamlining processes efficiently.
- Created a **data scraping project** to extract information from websites such as **Money Controller** and **Play Store**, including app version numbers and financial data.
- Implemented a system to scrape and store prices of **gold, silver, crude oil, and currency** from Money Controller every **five seconds** into a database.
- Designed, developed, and optimized project-related APIs to enhance functionality and performance.

### EDUCATION:

Bachelor of Technology      2018-2022  
**IES Institute Of Technology & Management  
Bhopal**

course: computer science Engineer(CSE)  
CGP: 7.71/10

### Skills:

#### Soft Skills:

- Problem-solving
- Communication
- Collaboration
- Self motivation

## Tech Skills:

- **Programming Languages:** Node.js, JavaScript.
- **Web Frameworks:** Express.js, Socket
- **Databases:** MongoDB, MySQL, PostgreSQL, Redis.
- **Cloud Technologies:** AWS EC2, S3, ACM, Route 53, DocumentDB.
- **DevOps Tools:** Docker, GitLab, GitHub Actions, CI/CD pipelines, Nginx.
- **Authentication:** Role-based authentication, OAuth.
- **Version Control:** GitHub, GitLab, Bitbucket.
- **Applications:** Visual Studio, Postman, JIRA, FileZilla, Putty.

## PERSONAL PROJECT:

### 1. Book Management System:

Link: [github.com/Aayush7661/bookManagement](https://github.com/Aayush7661/bookManagement)

#### Description:

- Developed a Book Management System allowing users to upload, manage, and search books efficiently.
- Implemented AWS S3 storage for secure and scalable image hosting.
- Secured API endpoints using JWT-based authentication (Role-Based Access for Admin & Users).

### 2. Game Status Management:

Link: [github.com/Aayush7661/gamesStatus](https://github.com/Aayush7661/gamesStatus)

#### Description:

- The project utilizes both **MySQL** and **MongoDB** for data storage.
- Users can **register** and **log in**, with **JWT token-based authentication** applied to all APIs.
- The **JWT token** is stored in **MongoDB** for authentication and session management.

## KEY ACHIEVEMENTS:

1. **Leadership and Team Management:** Successfully **led a cross-functional team of 4 professionals** (Backend Developers, Frontend Developers, Testers, UI/UX Designers) to deliver a **scalable and secure FinTech platform**, reducing development time by **20%**.
2. **Backend Optimization and API Performance:** **Optimized API response times by 30%**, improving server efficiency and reducing load time for high-traffic applications. **Refactored database queries** for MongoDB and MySQL, reducing data retrieval time by **40%**, leading to a smoother user experience.
3. **Scalable Backend Solutions:** Designed and deployed **highly scalable microservices architecture** for **E-Service and E-Chatting Applications**, ensuring **99.9% uptime**.
4. **Security Enhancements:** **Implemented role-based authentication (RBAC) and JWT** for multiple projects, ensuring **secure user access control** and compliance with security standards.
5. **CI/CD Automation and Backend Optimization:** Automated deployments using **GitHub Actions & GitLab CI/CD**, **reducing deployment time by 50%** and ensuring seamless releases.