

Sumit Bansal

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Software Development Engineer | [Email](#) | [LinkedIn](#) | [GitHub](#) | [Leetcode](#)

Work Experience

Associate Software Engineer (ASE) - Indus Net Technologies (Kolkata, India) 03/2022 - Present

- Engineered a robust API using Node.js and Express, improving data fetching from the server and reducing frontend loading time by 30%, resulting in an enhanced user experience.
- Developed a method to enhance data upload to Amazon S3, strengthening security and accelerating upload and download speeds by 50% using streams and zlib library.
- Improved browser compatibility by optimizing 30 video formats and 23 file formats, ensuring seamless playback and document access across different browsers and devices.
- Designed a **dynamic WhatsApp chatbot** capable of turning any set of questions into user-friendly chatbot queries, making it suitable for a wide range of industries.
- Restructured the database to simplify its design and significantly improve retrieval efficiency. Implemented index optimisation and partitioning for enhanced performance.

Business Development Trainee - Byju's - Think & Learn (Lucknow, India) 7/2021 - 8/2021

- Conducted one-on-one virtual sales sessions for educational technology products.
- Contributed to sales strategy development to optimise lead conversion rates.

TECHNICAL SKILLS

- Backend:** Node.js, Express.js, Java, Spring, Spring Boot, JPA, JWT, Swagger, Web APIs
- Database:** MongoDB, MySQL
- Frontend:** React, Redux, AJAX, HTML, CSS
- DevOps and Tools:** Docker, Linux, AWS, Git, Maven, VS Code, Postman, FileZilla

AWARDS and ACHIEVEMENTS

Hackathon (The Battle of Best Ideas) Winner - Indus Net Technologies 02/2023

Achieved 3rd place in a multi-round competition, showcasing innovation from pitching the idea to developing a proof-of-concept (POC) and presenting it to judges. This collaborative effort involved a 3-member team.

Winner of Quality of Code Contest - Indus Net Technologies 08/2022

Awarded first place for demonstrating and following outstanding coding practices.

PERSONAL PROJECTS

s3-encryptor-uploader - NPM Package - Open Source Contribution | [GitHub](#) | [Live Link](#)

Tech Stack: Node.js, Amazon S3, npm.

- Developed and maintained an npm package for securely uploading data to Amazon S3.
- Features include encryption, decryption, compression, decompression, upload and download, in a single operation.

File Management System - Backend Development | [GitHub](#)

Tech Stack: Node.js, Express.js, JWT, MongoDB, Mongoose, REST APIs, MVC

- Developing functionalities such as file/folder creation, library organization, version control, etc.
- Implementing a secure user authentication system using JWT authentication.
- Designing REST APIs following the MVC architecture to ensure efficient data handling.

Escrow Management System - Web3 development | [Github](#) | [Live Link](#)

Tech Stack: React.js, HTML, CSS, Web3, Truffle, Goerli (Testnet), Ethereum, Vercel.

- Developed a DApp for escrow management with blockchain integration on the Goerli testnet.
- Users can log in with their wallets, create multiple escrow contracts, and act as either sellers or buyers.
- All escrow contracts and transaction history are mapped with user account IDs for easy tracking.
- Payment options include buying ERC20 tokens with Ethereum and selling them back for Ethereum.

CERTIFICATES

- Certificate of Excellence in Python by EdYoda (ZekeLabs Technologies Pvt. Ltd.)
- Certified Hedera Hashgraph Developer by The Hashgraph Association
- Certificate of Completion Master Java Web Services and Rest API with Spring Boot by Udemy

EDUCATION

- Python DataScience program - Edyoda Digital University | 03/2021 - 12/2021
- Bachelor of Science (BSc) - Lucknow University | 07/2017 - 10/2020
- XII (CBSE) - Montfort Inter College | 04/2016-04/2017