

Zhalok Rahman

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DEV <https://dev.to/zhalok>

Professional Experience

Programming Instructor (Python and Scratch),

CodexPro [🔗](#)

2021 – present | Berlin, Germany

Skills

Problem Solving

Solved 1000+ problems.

My handles: <https://linktr.ee/zhalok>

Programming Languages

C++, Java, Python, JavaScript

Software Development

React, Node, Express, MongoDB, Firebase, MySQL, PostgreSQL, Docker, GitHub, Git

Education

BSc in Computer Science and Engineering,

Shahjalal University of Science and Technology

01/2019 – present | Dhaka, Bangladesh

Awards

Champion, HackNSU4, ACM student chapter North South University.

- At this hackathon, we worked on an advanced e-ticketing system to improve transport efficiency on Bangladesh Railways.
- **Tech-Stack:** React, Express, Flutter, MySQL.
- **My Role:** Team Lead, Back-end Developer, Mentor.

Projects

Note-Hub

- A web-based application for managing study materials.
- Designed scalable NoSQL database schemas, developed API endpoints, and Implemented authentication and authorization using JWT.
- Redesigned front-end and improved rendering performance by reducing props drilling using React Context.
- Implemented mailing system using Gmail SMTP.
- Source-Code [🔗](#), Live [🔗](#)

BookLook

- A web application for reading and recommending books.
- Designed a normalized MySQL database and wrote queries to optimize performance.
- Developed recommendation feature, commenting feature, and file upload feature.
- Implemented a filtering system based on multiple criteria.
- Source [🔗](#), Demo [🔗](#)

Lyrics Extraction

- A web-application prototype for extracting lyrics from a song.
- Integrated AssemblyAI API to extract lyrics from a song.
- Used file system as the database.
- Source Code [🔗](#), Demo [🔗](#)

Up-time monitoring API

- An API for monitoring the up-time of any registered URL.
- Built this whole project using core Node js modules while learning Node js.
- Used HTTP module to create the server and request events to handle requests.
- Manually parsed the request body and wrote responses.
- Used file system module as the database.
- Integrated Twilio API for notifying registered users.
- Source code [🔗](#)