

## OBJECTIVE

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Dedicated Software Engineer specializing in software development with expertise in JavaScript, Node.js, Express.js, Mongoose, and MongoDB. Skilled in building robust applications using React libraries, Next.js frameworks, and TypeScript to deliver industry-grade solutions.

## TECHNICAL SKILLS

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**Programming Languages:** TypeScript, JavaScript, C++, HTML, CSS, SASS

**Frameworks:** ReactJS, Redux, NextJS, Material UI, Tailwind CSS, NodeJS, ExpressJS

**Tools:** VS Code, Git, Figma, Vercel

**Others:** Firebase, Sequelize, OAuth, JWT, Mongoose, MongoDB

## JOB EXPERIENCE

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### Software Developer, Brogrammers Lab

*February 2023- present (1yr 10mo+)*

- Configure CI/CD pipeline using github actions to automate development process.
- Implement redis catch for different services which improved API performance.
- Proposed different solutions to improve the existing architecture of the software.
- Integrated Firebase for authentication and real-time database functionality, enhancing user engagement and enabling personalized content delivery.

**Projects :** <https://pndservicebd.com/products/>

## ONLINE JUDGE CONTEST ACTIVITY/ONLINE PROFILE

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- **Codeforces** (350+ problem)
- **LeetCode**
- **CodeChef** (Max-rating 1407)
- **AtCoder**

## EDUCATION

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### University of Asia Pacific, Bangladesh

*CGPA: 3.63 / 4*

Bachelor of Science in Computer Science and Engineering | Three Dean's List Awards

## PUBLICATION

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**Title:** Bento Packaging Activity Recognition from Motion Capture Data

[Springer-link](#)

## PROJECTS

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### 1. Bike Shop: <https://a4-bike-shop-client.vercel.app/>

**Admin Credentials :** alamin23712@gmail.com (email) || pass12345 (password)

- Built and maintained a complete e-commerce platform using React.js, Redux, React Router 6, Material UI, and TypeScript for the frontend, along with Node.js, Express.js, TypeScript, and MongoDB for the backend.
- Designed reusable functions and followed a modular pattern to improve code maintainability, scalability, and reusability in both frontend and backend development.
- Developed an efficient QueryBuilder class to enhance search, filtering, sorting, pagination, and data population, improving API performance and database query execution.
- Utilized Mongoose and ZOD for schema validation and implemented global error-handling middleware to ensure code consistency, minimize repetition, and improve debugging efficiency.
- Followed best practices in TypeScript for type safety and code readability, leveraged different package managers for clean and maintainable code, and applied scalable state management solutions with Redux.

**Github-server :** <https://github.com/alamин-cse44/a4-bike-shop-server>

**Github-client :** <https://github.com/alamин-cse44/a4-bike-shop-client>

### 2. House Renting : <https://house-renting-nine.vercel.app/>

**Admin Credentials :** alamin23712@gmail.com (email) || pass1234 (password)

- Custom authentication using JWT (JSON Web Token).
- Role-based access control to ensure only authorized access to private pages.
- Performed robust API calls to fetch and update data information following the DRY and design patterns, ensuring real-time data synchronization between the frontend and backend systems.
- Accomplished reusable components in NextJS, TypeScript, Shadcn UI, NodeJS, Mongoose.
- The platform connects landlords, tenants, and an admin who oversees both users and house listings. Landlords can post and manage rental property listings, while tenants can search for, view, and request rentals.

**Github:** <https://github.com/alamин-cse44/house-renting-client>

### 3. Signature Park : <https://signaturepark.co/>

- Built and maintained a complete hiring platform using NextJS, ShadCN, and TypeScript.