

Bikash Agarwala

Full Stack Developer | Software Engineer at Komfy Trip LLP

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EDUCATION

Asansol Engineering College

West Bengal, India

B.Tech in Information Technology | GPA: 7.8

2022 – 2026

– **Coursework:** Data Structures and Algorithms, Operating Systems, Computer Networks, DBMS, OOP, Software Engineering

S.H.M.S Inter Mahavidyalaya

West Bengal, India

Higher Secondary (PCM) | Percentage: 76

2019 – 2021

EXPERIENCE

Software Development Engineer | Komfy Trip LLP

Aug 2024 – Present

- Built booking workflows (flights, hotels, holidays) powering 20K+ monthly users.
- Designed and developed flight list and filter system improving search speed by 45% and ensured scalability.
- Enhanced search relevance and cut response times by 40% through query optimization, Redis caching, and background jobs.
- Integrated Razorpay payments and WhatsApp API. Increased booking conversions by 30%.
- Implemented MVVM architecture, Docker, and CI/CD pipelines. Boosted modularity, reliability, and deployment speed.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, SQL, C, C++

Frontend: React.js, Next.js, Zustand, Redux, Tailwind CSS, HTML, CSS

Backend: FastAPI, Spring Boot, Spring MVC, Spring Security, RESTful APIs

Databases: MySQL, PostgreSQL, MongoDB

Tools & Practices: Git, GitHub, Docker, Redis, Celery, Postman, CI/CD (GitHub Actions), Agile, Scrum

Soft Skills: Communication, Problem Solving, Adaptability, Teamwork, Time Management

PROJECTS

FoodEase | Spring Boot, Next.js, Zustand, MySQL

- Built an online food ordering system with real-time order tracking.
- Applied caching and synchronization using Zustand and TanStack Query to improve responsiveness.
- Designed relational schema in MySQL supporting 500+ concurrent orders with data integrity guarantees.

Chatify | Spring Boot, WebSocket, JavaScript

- Developed a real-time chat platform supporting room-based instant messaging.
- Implemented WebSocket-based concurrent messaging and broadcasting for low-latency communication.
- Optimized server handling to scale concurrent connections efficiently.

ACHIEVEMENTS AND LEADERSHIP

Led organizing team for SAMURAI bootcamp and SMASH hackathon with 200+ participants.

Secured 12th rank among 1100+ participants in IHMMC competition.

Web Technology Lead at GDGC AEC (2024–25) and Facilitator at GDSC AEC (2023–24).

Appointed Hardware Club Representative at Asansol Engineering College.