

Ishant Sikdar

Full Stack Developer

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Education

Maharaja Surajmal Institute

Bachelor of Computer Applications

Sep 2022 – Sep 2025

Janakpuri, Delhi

Kendriya Vidyalaya

Science with Computer Science

Jun 2009 – Jul 2022

Badarpur, Delhi

Experience

Opalina Technologies

Back End Developer Intern

Nov 2023 – May 2024

Noida, Uttar Pradesh

- Contributed to two client projects from inception, leveraging **Java**, **Spring Boot**, and **MongoDB**.
- Developed **REST APIs** and designed backend logic, contributing over **60,000** lines of code.
- Optimized MongoDB Aggregation pipelines, improving API response time by **40%**.
- Upgraded the **MongoDB schema** to enhance data consistency and simplification by 25%.
- Ensured **on-time delivery** of software solutions, adhering to all project deadlines.
- Resolved critical **software bugs**, enhancing product quality and reliability by **60%**.

Technical Skills

Programming Languages: Java, TypeScript, JavaScript

Back End: Spring Boot, Hibernate, Node.js, Prisma, Express.js

Front End: React.js, Recoil.js, Next.js, Tailwind CSS

Databases: PostgreSQL, MongoDB

DevOps: Git, AWS, Docker, CI/CD

Projects

Natural Disaster Data Distribution - [Link](#) / Java, Spring Boot, Hibernate, PostgreSQL

Aug 2024

- Engineered** a real-time system from scratch for disaster-related media, retrieving and processing posts every **15 minutes** for timely updates on disaster-related content.
- Integrated** with social media APIs like **Youtube Data API v3**, collecting posts, images, and videos with **95%** coverage of disaster-related hashtags.
- Designed data filtering and storage, **reducing** data retrieval time by **60%** and **ensuring** quick access to critical information.
- Created** API endpoints for **streaming** data, supporting integration with other applications and enabling **real-time** updates.
- Implemented duplication detection mechanisms, **cutting** duplicate content by **80%** and **maintaining** data integrity.

eWallet System - [Link](#) / TypeScript, Next.js, PostgreSQL, Prisma, Docker, CI/CD, Turborepo

July 2024

- Created** an eWallet System like PayTM, **reducing** development complexity by **30%** with a monorepo.
- Architected 4 apps (Next.js user-end, Node.js webhook, React bank interface, Node backend), **streamlining** development and testing.
- Optimized** PostgreSQL queries with Prisma ORM, **boosting** transaction efficiency by **50%** and ensuring data integrity.
- Utilized Docker on Amazon EC2, **improving** deployment reliability and scalability.
- Established CI/CD with GitHub Actions, **cutting** deployment time by **50%**.

Sway – Educational Mobile Web Platform - [Link](#) / React.js, Recoil.js, Node.js, MongoDB

June 2024

- Built a platform for streamlined access to educational YouTube content, **reducing** content search time by 40% and **optimizing** browsing speed.
- Integrated real-time messaging using **WebSockets**, decreasing message delivery **latency** by 50% and enhancing chat responsiveness.
- Deployed** the client app on an SSL-enabled domain using Amazon CloudFront CDNs, **optimizing** content delivery and **increasing** page load speed by **70%**.
- Utilized Docker for server-side app deployment on Amazon EC2, **ensuring** reliable and scalable application environments and **enhancing** overall stability.