

Dev Jyoti

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EDUCATION

IIT Guwahati

Bachelor of Technology (Minor: Mathematics)

2021 – 2025

Guwahati, In

EXPERIENCE

Nobroker

Software Engineer (Backend)

May. 2025 – Present

Bangalore, In

- Architected **Owner Action Center** using a pluggable **Strategy-Factory** architecture, enabling extensible business workflows for 5 lakh+ owners and improving owner-tenant call rate by **23%** and self plan purchase by **16%**.
- Automated builder resale listing, scaling to **200,000+ listings** in 1 year while saving **600+** manual hours per month using an **event-driven kafka** processing pipeline and adapter-based integrations.
- Reduced P95 latency by **58%** and enabled batch queries in the search microservice using Elasticsearch's **msearch**.
- Implemented **in-memory trie-based** prefix search for builders, achieving **sub 1ms** query latency and eliminating external service calls for **autocomplete**.
- Modernized a legacy microservice by migrating from **Java 6** to **Java 25**, rewriting **DockerFile**, and provisioning a new production deployment environment.

SuperErgo [🔗](#)

Web Developer (Founding Engineer)

April 2024 – March 2025

- Migrated Drop V3 from Shopify Themes to a **Next.js** storefront using the **Shopify headless API**, supporting **35,000+ weekly users**, **320K+ requests/day**, and **INR 2 Cr+ monthly revenue**.
- Designed a layered delivery strategy with **Vercel ISR**, granular **Shopify webhook**-triggered revalidation, **Shopify CDN**, and **Cloudflare**; the architecture achieved **96% ISR** and **89% CDN** cache-hit rates.
- Built a **Shopify** storefront from scratch for Drop V1, generating over **INR 1 Million** in revenue within the first **three months** of launch.
- Delivered a complete site **UI revamp** with Drop V2, establishing CI/CD pipelines and **testing environments** to reduce deployment failures and improve release stability.
- Automated Delhivery authentication and installation-pincode synchronization with scheduled **GitHub Actions**, and managed routing across the Next.js storefront, Shopify checkout, and campaign subdomains.

PROJECTS

SpringShoe | Lightweight Spring-inspired IoC Framework [🔗](#)

- Engineered a custom **IoC** container using **Java Reflection** and Kahns Algorithm to automate bean lifecycle management and resolve complex dependency graphs.
- Designed a robust **constructor-based dependency injection** system that automatically detects and resolves missing dependencies, with built-in safeguards against **circular reference** failures.
- Integrated an embedded **Jetty** server to create a functional REST framework with JSON serialization via **Jackson**.
- Developed as a high-performance alternative for small-scale passion projects, delivering **sub 600ms** startup times and less than **25MB** memory footprint, outperforming standard enterprise frameworks.

SKILLS

Languages : Java, SQL, JavaScript, C++

Frameworks : Spring Boot, Next.js

Technologies : Docker, Kafka, Redis, Elasticsearch, MySQL, MongoDB

ACHIEVEMENTS

LeetCode [🔗](#) : Max Rating **2,182 (Guardian)**, Ranked **372** and **397** globally in Weekly Contest 420 and 417 respectively.

JEE Adv 2021 : Secured **AIR 4953** among 1.4 lakhs candidates.