

# Kamlesh Mehra

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## TECHNICAL SKILLS

**Front-end:** JavaScript, TypeScript, React.js, Next.js, HTML, CSS

**Back-end:** Node.js, Express.js, Nest.js

**Database:** NoSQL (MongoDB), SQL (Postgres)

**Other:** TypeORM, Redis (cache, queue, search and sort), Docker

**Testing:** Jest, Supertest

**Working Knowledge:** Kafka, CI/CD

## EDUCATION

**THDC-IHET**

*B.Tech in Electronics And Communication*

Tehri, Uttarakhand

2016 – 2020

## EXPERIENCE

**Software Engineer**

*Hashstudios*

Jan 2023 – Present

Dehradun, Uttarakhand

- Develop **secure and high-performance web applications**, ensuring security measures and optimal performance.
- Debug and **resolve production issues** using **application logs and monitoring tools such as Sentry, Web Vitals, and Lighthouse** to ensure optimal performance and stability.
- Enhanced web application performance by identifying bottlenecks using Sentry and AWS monitoring, and **optimizing API response times and CPU utilization**.
- Tech: Nest.js · Next.js · PostgreSQL · Redis · TypeORM · Kafka · MongoDB · Cashfree · Stripe

**Software Engineer**

*Concept To Code*

Nov 2021 – Jan 2023

Remote

- Maintained high-level expertise in React state management strategies, including **Redux and context-API**.
- Worked on Express.js to create back-end and MongoDB database concepts such as **aggregation, indexes and schema design**.
- Tech: Node.js · JavaScript · React.js · Git · MongoDB · Redux · Amazon S3 · Amazon EC2 · Socket.io · Express.js.

## PROJECTS

**Bimapay visit** | *Nest.js, Next.js, PostgreSQL, Redis, TypeORM, Cashfree*

Oct 2022 – Present

- **Bimapay is an insurance premium financing application** and provides loans for insurance premiums.
- Utilize a variety of third-party service APIs to integrate **identity verification, face matching, credit checks, Aadhaar, PAN, and KYC verification** to process loans without requiring paperwork.
- Work on the **security encrypt-decrypt API request response** and enhance the application's security by implementing various safety precautions, such as **CSP headers, iframe security (click hijacking), API-level security checks for loans**, and so on.
- To increase the efficiency of the Bimapay operation team, **integrate and administer the LMS (Loan Management System) with the Bimapay application**. Additionally, create all the required LMS features right on the Bimapay application.

**Waste Management System** | *Express.js, Node.js, MongoDB, puppeteer*

May 2022 – Sep 2022

- Developed and implemented a Waste Management System to track and manage waste collection from households and integrated a vehicle tracking system to monitor real-time locations. **presently used in Delhi and Mussoorie**.
- **Generated reports to visualize** collected and uncollected waste **data on a Google map for efficient route management and service improvement**.
- Improved application performance by **fine-tuning indexes**, implementing **compound indexes**, and optimizing MongoDB queries for faster data retrieval.

**FiveStone** | *React.js, Express.js, Node.js, MySQL, Sequelize (ORM)*

Feb 2022 – May 2022

- Contributed to the development of FiveStone, a US-based property tax management platform for lawyers and property owners.
- Integrated with **HubSpot CMS** and **Stripe payment gateway** for seamless and secure transactions.