

PRASHANT SINGH HADA

Mobile No.: +91 7987078158

[Email](#) ◇ [LinkedIn](#) ◇ [GitHub](#) ◇ [X \(Twitter\)](#) ◇ [Portfolio](#)

WORK EXPERIENCE

Backend Engineer <i>Persistent Digital Commerce Pvt. Ltd.</i>	November 2023 - Present Gwalior, In
<ul style="list-style-type: none">Integrated real-time events via WebSockets for tracking delivery partner locations, optimizing payment and order flows, and reducing operational costs by 20-30%.Optimized API performance by improving query efficiency, reducing latency by 40%, leading to faster response times and a superior user experience.Integrated MSG91 SMS/OTP services for multi-app authentication, improving security and access efficiency by 30%.Designed efficient data retrieval systems using MongoDB Aggregation, Bulk Operations, and Indexing, enhancing query performance by 40-60%.Implemented clustering in Node.js for 40% increased backend scalability and deployed services on AWS EC2 with PM2 and NginX, maintaining 99.9% up-time.Ensured reliable operations by implementing MongoDB transactions with ACID properties, while improving collaboration through GitHub sub-modules and key project contributions.	

EDUCATION

Bachelor of Technology in Computer Science, ITM Gwalior :- CGPA - 8.67	2020 - 2024
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SKILLS

Programming Languages:	TypeScript, JavaScript, C, C++
Frameworks & Technologies:	Node.js, React.js, Websockets, AWS EC2, AWS S3, AWS Location Service, Prisma, Redis, Docker, Express.js, Framer Motion, Tailwind CSS, GSAP, SASS, CSS, Bootstrap
Databases:	MySQL, MongoDB, PostgreSQL,
Other Tools:	Version Control (Git), GitHub, Linux, IDE

PROJECTS

Zentry Inspired Site : A responsive website inspired by Zentry's official website, recreating some of the **Design, Effects** and **Animation** of an immersive user experience. [\[Repository\]](#) | [Active Link](#)

Notification Service (Microservice) : Developed a Notification system **Micro service** that utilizes various notification channels (**Email, SMS, Push notification**). Used **Redis, Message Queue, Nodemailer, Fast2SMS, Firebase, PM2** and **Docker**. [\[Repository\]](#)

Building a Git Version Control System :A custom **version control system** similar to Git by re-creating some core commands from scratch to manage various **Git object types** efficiently using **Node.js**. [\[Repository\]](#)

Ochi-Design :- A website inspired by Ochi-Design Agency's official site, using **React.js** and **Tailwind CSS**, with a modern and stunning user interface. Integrating advanced **animations** and effects with **Framer Motion, GSAP**, and **Locomotive** to enhance user experience. [\[Repository\]](#) | [Active Link](#)

Real-Time Location Tracker :Implemented a **real-time location tracking system** in **Node.js** and **Express.js** using **WebSockets** and **Leaflet**, allowing real-time location updates for users. [\[Repository\]](#) | [Active Link](#)

Duo-Studio : A website with great animation inspired by **Duo Studio Design Agency's** website, leveraging the power of libraries like **GSAP** and **Locomotive.js**. [\[Repository\]](#) | [Active Link](#)