

Yash Poonia

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TECHNICAL SKILLS

Programming Languages: Go, Java, JavaScript, TypeScript

Frontend: React, Redux, HTML, CSS, Tailwind CSS, EJS, MUI

Backend: Go, Node.js, Microservices, Distributed Systems, Scaling, WebSockets

Databases: MongoDB, MySQL, Redis

DevOps and Infrastructure: Git, Docker, Linux, AWS, Kafka, RabbitMQ, Nginx

WORK EXPERIENCE

Software Developer Intern

Web Wizards, India

Dec 2023 – May 2024

- Pioneered the development of a cost-effective **visitor sign-in system**, slashing monthly operational costs by **99.7%** from \$6,000 to just \$59, through innovative data extraction techniques.
- **Built an advanced digital map tool** for creating interactive venue layouts (e.g., theaters, concert halls) with customizable seating, numbering, and object placement like screens and landmarks.
- **Integrated a seamless ticketing system**, allowing users to assign tickets to individual seats directly on the map, enabling real-time seat selection for bookings, enhancing the user experience for event organizers and attendees.

PROJECTS

Vyzon

[Playground](#), [GitHub](#)

A *polyparadigm programming language*

npm i vyzon

- **Developed Vyzon Programming Language:** A versatile language designed for simplicity and readability, supporting functional programming, OOP, and modular architecture.
- **Comprehensive Documentation:** Detailed guidance on core features such as variables, functions, loops, classes, inheritance, and modules.
- **Published on npm:** Available for public use, allowing developers to easily install and run via npm.

Redis-Go

[GitHub](#)

Redis implementaion in Golang

- **Built a Scalable Distributed Key-Value Store in Go:** Developed a Redis-like key-value store that implements the RESP protocol, enabling compatibility with Redis clients.
- **Master-Slave Replication:** Implemented master-slave replication for data consistency and high availability across distributed systems.
- **Designed for Scalability:** Focused on scalability and performance to handle large volumes of data and concurrent requests efficiently.

Commune

[GitHub](#)

Enterprise level realtime communication

- **Developed a scalable enterprise chat application** using the MERN stack, integrating WebSocket and Redis Pub/Sub for real-time messaging.
- **Designed a robust architecture** with NGINX for load balancing and Kafka for reliable message delivery, ensuring high availability.
- **Implemented authentication and authorization** mechanisms to secure communication channels and protect user data.

EDUCATION

Meerut Institute of Engineering and Technology

Bachelor of Technology in Computer Science

U.P., Meerut, India

Aug 2021 – June 2025

Vardhman Academy

Intermediate and High School

U.P., Meerut, India

Mar 2018 - Mar 2020

COMPETITIVE PROGRAMMING AND SKILLS

- Achieved an **1800 rating** on [LeetCode](#), demonstrating **proficiency in algorithms and data structures**.
- **Ranked 235th globally** in LeetCode Biweekly Contest 133, reflecting **advanced problem-solving abilities**.
- **Proficient in various data structures and advanced algorithms**, with practical experience in **complex solutions**.