

# Shubham Yadav

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## EDUCATION

### St. Wilfred School

High School, Science

Jaipur, Rajasthan

Aug. 2015 – May 2024

## EXPERIENCE

### Backend & DevOps Engineer

*DynTech*

July 2025 – Present

*Remote*

- Developed high-frequency trading APIs handling 10M+ transactions daily
- Implemented WebSocket connections for real-time market data streaming
- Optimized database queries reducing response time by 60%
- Built microservices architecture using Go, PostgreSQL, TypeScript and Nest.js
- **Tech Stack:** Go, PostgreSQL, Redis, WebSockets, Docker, Jenkins, Python, TypeScript, Rust, Kubernetes

### Founding Engineer

*MemePay*

June 2024 – Jan. 2025

*Remote*

- Built a crypto exchange platform focused on seamless Solana memecoin trading
- Developed backend services using FastAPI and Go, with Redis for caching and queuing [Backend Repo]
- Designed a responsive frontend using Next.js, ensuring a smooth trading experience [Frontend Repo]
- Integrated wallet features and secure transaction flows from scratch
- **Tech Stack:** MongoDB, Redis, WebSockets, Docker, TypeScript, Python

### Backend Developer

*Groot Music*

Sep. 2024 – June 2025

*Remote*

- Maintained and scaled the backend of Groot, a high-traffic Discord music bot with premium features
- Developed services using TypeScript, PostgreSQL, and MongoDB; integrated secure payment APIs
- Resolved major production bugs and optimized performance across thousands of servers
- Contributed to bot reliability, uptime, and scalability under heavy concurrent usage
- **Tech Stack:** MongoDB, Redis, TypeScript, Shokaku, LavaLink, Next.js

## PROJECTS

### Patreon Payments API Integration | *Python, FastAPI, OAuth2, Webhooks*

2025

- Implemented a secure backend integration with Patreon to manage premium access using OAuth2
- Handled webhooks for real-time updates on subscriptions, pledge changes, and cancellations
- Designed endpoints to sync user access levels with third-party services and Discord roles
- Ensured robust logging, signature validation, and error handling for payment workflows

### Vivix AI | *TypeScript, React, Next.js, AI APIs, Edge Functions*

2025

- Built an AI platform similar to ChatGPT with multi-agent support and real-time response handling
- Enabled users to create custom AI agents using a modular React + Next.js interface
- Integrated multiple AI backends to dynamically fetch responses and enhance agent versatility
- Leveraged serverless edge functions and TypeScript for low-latency, scalable inference workflows

## TECHNICAL SKILLS

**Languages:** Go, Rust, Python, JavaScript, Typescript, SQL (Postgres), HTML/CSS

**Frameworks:** React, Node.js, Flask, JUnit, WordPress, Material-UI, FastAPI, Next.js, GIN, net/http

**Developer Tools:** Git, Docker, Github Workflow, AWS, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

**Libraries:** pandas, NumPy, Matplotlib, FastAPI, discord.py, sqlite3, requests, websockets, aiohttp, Celery, Pydantic (Python); gin-gonic, gorilla/websocket, pq, redis, cobra, zap, godotenv (Go)