Ashim Choudhary

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Technical Skills

Languages: JavaScript (ES6+), TypeScript, Python, C#
Backend & Systems: Node.js, Express.js, REST APIs, WebSockets, Client-Server Architecture
Databases: PostgreSQL, MongoDB, Redis
Cloud & DevOps: AWS (EC2, S3, CloudWatch), Linux, Docker (Basics), Git
Concepts: System Integration, Distributed Systems, Authentication, Real-Time Systems

Experience

Software Engineer Intern (Backend & Systems), Agaamin Technologies — Gurugram, India — June 2024 – Aug 2024

- Developed backend services and integrated APIs within a production environment using the MERN stack.
- Optimized API performance and caching, reducing response time by **30%**.
- Collaborated in Agile workflows using Git for version control and system reliability.
- Deployed and monitored services on **AWS**, improving uptime and performance.

Projects

Projects

Sportz WebSockets Backend — Real-Time Distributed System — GitHub

- Designed a real-time backend combining REST APIs and WebSockets for live data streaming.
- Implemented subscription-based event broadcasting with persistent client-server connections.
- Built scalable data storage using PostgreSQL and Drizzle ORM with validation layers.

Rentiful — Cloud-Based Rental Platform — GitHub

- Built a full-stack system with role-based access and REST APIs using Next.js and PostgreSQL.
- Integrated geolocation services and optimized database queries for efficient data retrieval.
- Deployed backend services on AWS with secure authentication and storage integration.

GPUlytics — Real-Time Data Monitoring System — GitHub

- Developed a system for collecting and processing real-time hardware telemetry data.
- Built anomaly detection pipelines and integrated AWS S3 and CloudWatch for monitoring.

BookWise — Scalable Backend Library System — Live Demo

- Designed backend services with PostgreSQL and Redis for efficient data handling and caching.
- Implemented authentication workflows and API-driven system architecture.

Education

BML Munjal University, B.Tech in Computer Science — Sept 2022 – Present