

Shohsulton Ummatov

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Summary

Backend Engineer with 2.5 years of experience building scalable and secure **Node.js** backend systems. Skilled in **asynchronous operations, real-time communication**, and integrating with **electricity meters** using **Modbus RTU/TCP, OBIS, and serial communication**. Strong in **API development, and automation** for industrial systems.

Experience

IOTICS | Tashkent

Middle Backend Engineer | 06/2024 - Present

Power Consumption Monitoring System

- Developed middleware for real-time monitoring of power consumption data from electronic meters using asynchronous JavaScript for optimal performance.
- Integrated multiple communication protocols, including Modbus RTU/TCP, HDLS, SEPAM and CAS, for efficient, reliable data retrieval from meters.
- Processed and transmitted meter data to the backend, enabling detailed analysis and visualization via a user-friendly dashboard.
- Implemented a modular microservices architecture for scalability, flexibility, and resilience.
- Designed robust error handling and logging systems to ensure seamless operation and effective issue tracking.
- Optimized data flow and performance for real-time communication with up to 1K meters of big factories, minimizing latency and ensuring smooth system operation under heavy load.

Fix Frame LTD | United State Chicago

Remote Backend Developer | 01/2024 - 05/2024

Booking System for Corporate Website

- Developed a scalable booking system for online service scheduling.
- Built a Node.js & NestJS backend with real-time booking updates.
- Implemented microservices architecture for performance and modularity.
- Optimized appointment management to streamline scheduling.
- Provided ongoing maintenance & support to ensure system reliability

Docum AI | Tashkent

Strong Junior Backend Engineer | 12/2023 - 03/2024

- Built a platform for businesses to create AI chatbots without coding expertise, handling 50k+ messages of interaction monthly.
- Integrated with Telegram Bots and Instagram DM APIs for seamless communication.
- Utilized open-source ML models for embeddings and reranking user queries and documents.
- Integrated both Regular SQL DBs and Vector DBs (e.g., Weaviate & Chroma) for optimized data storage and retrieval.
- Implemented DevOps processes using Docker, GitHub Actions, and NginX for deployment and scalability.

Skills

Linux, JavaScript, Node.js, Electrical Experience, Asynchronous JavaScript And XML, NGINX

Education

Tashkent State University of Economics | Tashkent

Bachelor's Degree