Mahmud Nosirov
Junior Backend Developer

Passionate IT specialist. Loves working with the logical part of an application devoting himself to the project. Does work with high quality. Does his best to finish projects on time even if it costs him not to sleep at night. Communicable, creative, problem solving, collaborative, accountable, humble, courteous.

Contact

Phone (Whatsapp)
+998 (90) 197 95 00

Email
mahmudnosirov77@gmail.com

Address
5 Mukimi street, Tashkent, Uzbekistan

Linkedin
https://www.linkedin.com/in/
mahmud-nosirov-487817236/

Education

2027
BS in Computer and Information Science
University of Michigan-Dearborn

2023
High School Diploma, System Administration
Muhammad Al-Khwarizmi Specialized IT School

Language

English (C1)
Russian (Native)
Uzbek (Native)
Japanese (N5)

Skills

- HTML, CSS, JavaScript
- Python
- Linux
- PostgreSQL

Experience

Jun 2022 - Nov 2022
Self Employed
Intern Full Stack Web Developer

Worked on developing fullstack web applications such as news websites and online stores. Developed backend with Python, Django framework using Django rest framework for designing API. Worked with Django templates Jinja2 for delivering data to the page. Developed product searching, multilanguage support, user accounts, authentication, product ordering, order management panel, product management panel, Worked with yandex maps API to build shipping routes. Developed frontend with pure HTML, CSS and JavaScript. Used GIT, Docker, Nginx web server for deploying projects on AWS with domain name and TLS certificate.

Nov 2022 - Apr 2023
Abba
Junior Backend Developer

Designed REST APIs with Django rest framework. Worked with debugging and adding features to the existing code. Did payment integration and auto payments. Worked with google sheets API with self-refreshing data. Worked with automated tasks. Developed Bot for Telegram messenger with user authentication and payment. Used GIT for CI/CD. Collaborated with Frontend Developer, DevOps Engineer and Project Manager. Worked with a remote server and lived in a terminal. See projects: dargah.uz, kanzec.com, xandecor.uz.

Skills

HTML

Tags: div, p, span, a, h1-h6, form, input, textarea, button, select, option, label, img, audio, video. BEM coding methodology

CSS

SASS. Selectors, backgrounds, borders, margins, padding, box model, outline, text, fonts, icons, links, display, position, z-index, overflow, opacity, forms, corners, colors, shadow, transform, transition, animation, flexbox, responsive

JavaScript

Values, Types and Operators, Program Structure (if, for, while), Functions (Scopes, Recursion), Objects and Arrays, Modules, Events, Form validation, Bugs and Error Handling, DOM, API requests, Yandex maps api

GIT

GitHub. Using commands git clone, git config, git add, git commit, git push, git pull, git status, git remote, git branch, git checkout, git merge, git log, git reset, git diff, git rm, github actions (testing, docker push)

Python

Writing clean and beautiful code. Knowledge of Types and Operations (Lists, Tuples, Sets, Files), Statements and Syntax (if, for, while), Functions (Scopes, Recursion, Lambda), Modules, Classes and OOP (Inheritance, Polymorphism, Encapsulation), Exceptions and Tools, Decorators, Doctest, Unittest, Pytest

Algorithms

Knowledge of common algorithms such as Binary search, Bubble sort, Selection sort, Quicksort, Breadth-First search, Djikstras algorithm, Greedy algorithms, Dynamic programming

Django

Model layer: Fields, Queries, Searching, Meta, View layer: URL configurations, Template layer: Variables, Tags, Filters, Forms: Fields, Widgets, Obtaining data, Validation, Authentication, Sessions, Django Tests

API

Designing clean and flexible APIs with Django REST Framework. Working with Requests, Responses, Views, Routers, Serializers, Authentication, Permissions, Pagination, Format-suffixes

Docker

Basic knowledge of Docker. Writing Dockerfiles, Docker compose files. Using commands docker container, docker images, docker system, docker build, docker ps, docker stop, docker kill, docker login, docker pull, docker push, docker rm, docker rmi, docker stop, docker run, docker tag, docker-compose up, docker-compose down

Cloud Services

Basic knowledge of Cloud Services, in particular AWS. Launching and working with EC2 instances, Connecting domain name, requesting TLS certificate. Managing load balancers and security groups

OS Fundamentals

Understanding high level concepts of Computer Operating System. Computer System Architecture, System Calls, OS Structures, Unix v6 File System, Data structures, Signals, Threads, Process Management, Process Scheduling, Interprocess Communication, Remote Procedure Calls, CPU Scheduling (FCFS, SJFS, RR), Understanding C, C++, Assembly code

Linux

Debian based distributions. Navigating the Filesystem, File editing and archiving, Managing files and directories, Managing users, groups and permissions, Searching files and strings, Managing applications, processes and services, Monitoring resource usage, SSH key generation and management, SSH client and server configuration, Formatting and mounting storage volumes, Mounting remote directories. Bash scripting: variables, if, case statements, for, while loops, managing command outputs and status codes

Database Fundamentals

Understanding high level concepts of Database Management System. Database Storage, Buffer Pools, Hash Tables, Tree Indexes, Concurrency Control, Query Optimization, Parallel Execution, Transactions, Logging and Recovery, Distributed OLTP, OLAP Databases.

SQL

Managing Tables (Creating, Modifying, Dropping, Inheriting, Indexing), Data Types (Integer, Timestamp, JSON), Data Definition (Generated, Constraints, Foreign keys), Data Manipulation (CRUD), Queries (Combining, Sorting, Limiting, Joins), Running Transactions.

PostgreSQL

Installation and configuration, creating, managing, dumping and restoring databases, creating users and roles, granting and revoking permissions to roles, viewing statistics

Redis

Working with redis CLI and library for python. Working with key values, hash tables, lists, sets, viewing statistics

Computer Network

Understanding high level concepts of Computer Networking. OSI, Ethernet, MAC addresses, IP, TCP, UDP, HTTP, SMTP, FTP, Switches, Routers, Ethernet Frame, IP Datagram, TCP Segment, Firewalls, DNS, DHCP, NAT, Sockets, Proxy Servers, Cloud Services, IPv4, IPv6.

Web Security

Understanding high level concepts of Web Security, Symmetric Cryptography, Asymmetric Cryptography, Hashing, Digital Signatures, Digital Certificates, Multifactor Authentication, Authorization, Accounting, TLS, HTTPS, SSH, VPN.