Erdison Malko

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ABOUT

Backend Developer with three years of total work experience,proficient with Flask Django,NodeJS(ExpressJS),skilled in integrating APIs, managing databases, and automating solutions, with a background in IT support handling web application issues and Data Analysis creating data reports and workflows.

PROFESSIONAL EXPERIENCE

03/2023 – present
Tirana, Albania

Python Backend Developer, *Webhelp*

- Created backend web applications utilizing Python with frameworks such as Flask, Django, or ExpressJS, and managed databases like MySQL and MongoDB to support application functionality.
- Implemented real-time data streaming using Server-Sent Events (SSE) and caching with Flask-Caching and Redis, as well as using WebSockets for real-time communication and data exchange in web applications.
- Integrated with external APIs, including OpenAI, to enable seamless data exchange and enhance application capabilities.
- Developed and maintained REST APIs to handle CRUD operations for various databases, ensuring reliable data management and interaction
- Designed user-friendly interfaces with HTML, CSS, and native JavaScript libraries for dynamic content and frontend functionalities, with additional experience in React for responsive application development.
- Automated solutions using Python and its modules, such as os and pandas, for efficient data manipulation and processing
- Utilized Selenium and Requests for web scraping to gather data from internal tools and websites, supporting data-driven decision-making.
- Employed Postman for API development and testing, conducted unit testing on functions and methods to maintain code reliability.
- Managed code versions using Git and GitHub, and deployed applications on cloud services like Azure Web App and Vercel for scalable and secure deployment.
- Followed Agile/Scrum methodology, using Jira for task management, Confluence for documentation, and MS Teams for open team communication, fostering effective project management and collaboration.

11/2022 – 03/2023
Tirana, Albania

IT Support 2° Level, *Sisal Group*

- Managed and resolved web application (UI) issues impacting end-user experience, ensuring timely and effective solutions.
- Diagnosed and analyzed problems by reviewing system logs, identifying root causes and implementing appropriate fixes.
- Utilized tools such as Kibana (Elastic Stack) for log analysis and DBeaver for database query and verification, supporting issue resolution processes
- Escalated identified bugs and technical issues to the Production Team for further investigation and resolution
- Communicated resolutions and provided feedback to end customers through customer care channels, ensuring clear and efficient information delivery.

07/2021 – 10/2022 Tirana, Albania	**Data Analyst,** *Impala Digital* 🔗

- Created Google Sheets/Excel templates and reports using advanced formulas like QUERY, ImportRange, and VLOOKUP.
- Developed and maintained R scripts to analyze data and present it on Excel dashboards.
- Designed and implemented workflows and training materials for new processes, facilitating efficient adoption and execution within the team
- Analyzed large sets of financial transaction data, producing detailed reports for stakeholders and supporting informed decision-making.
- Presented detailed monthly balance reconciliations to the Finance Department, ensuring accuracy and transparency in financial reporting.
- Applied technical expertise and proficiency with data analysis tools to improve team performance and streamline data management processes.

📂 PROJECTS

03/2023 – 04/2023	**Online Portfolio,** *Personal Website* 🔗

This project is a portfolio website that build with HTML, CSS and JavaScript.

Chat App 🔗

Build using Express.js for the backend, vanilla Javascript for the frontend and Mongo DB and Redis for the database.

GitHub Link 🔗

Link to Github repositories to view more projects.

📚 COURSES

08/2022 – 03/2023 Tirana, Albania	**Python from Scratch,** *SDA Academy* 🔗

Python from the basics.

🧠 SKILLS

Python | SQL | Django | Web Scraping | Flask | REST APIs | Express.js | MongoDB | React

🌐 LANGUAGES

Italian | English