Jalal Uddin Taj

IT Admin/Developer

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ABOUT

Results-driven IT professional with extensive experience in database management, system administration, and networking, adept at Python programming and automation. Proven ability to optimize system performance, ensure seamless network operations, and manage complex database systems and containerized applications. Seeking to leverage a strong background in MLOps and technological advancements to contribute to a dynamic team and drive organizational success.

WORK EXPERIENCE

Senior Developer / IT Admin

Paradise And Paradise Care   Jan 2022 - Dec 2024

Led IT infrastructure and development initiatives, optimizing database systems and deploying scalable applications to enhance operational efficiency and security.

- Managed and optimized critical database systems, enhancing performance by 25% and bolstering security measures.
- Administered Linux servers, leveraging automation scripts to improve operational efficiency and reduce manual tasks by 30%.
- Designed and maintained robust network infrastructure, ensuring 99.9% secure connectivity and minimizing downtime.
- Developed and deployed scalable containerized applications using Docker, improving deployment speed by 40%.
- Implemented comprehensive IT policies and provided technical support, reducing support tickets by 15%.

Project Manager / Senior Developer

Arshman.net   Jan 2019 - Dec 2024

Led software development projects from inception to completion, managing cross-functional teams and ensuring timely, high-quality deliverables.

- Led 5+ software development projects from inception to completion, achieving 90% on-time delivery and adherence to quality standards.
- Managed cross-functional teams of 8+ developers, coordinating tasks and fostering collaboration to enhance project efficiency by 15%.
- Developed and maintained complex applications using Python and other technologies, improving system performance by 20%.
- Oversaw comprehensive project planning, resource allocation, and risk management, reducing project risks by 25%.
- Engaged with clients to gather requirements and provided regular project updates, ensuring 95% client satisfaction and project alignment.

Junior Developer

BlueSky Property Builder   Jan 2021 - Dec 2022

Automated infrastructure provisioning and managed cloud environments, collaborating with development teams to enhance application performance.

- Automated infrastructure provisioning and configuration management, reducing setup time by 50% and minimizing manual errors.
- Monitored and maintained cloud environments, ensuring optimal performance and security with 99.5% uptime.
- Collaborated with cross-functional development teams to enhance application scalability and reliability by 20%.
- Implemented automated deployment pipelines, improving release frequency and consistency.

Python Developer & Data Analyst

Financelobby   Jan 2021 - Dec 2021

Developed Python scripts for data processing and analysis, generating actionable insights from large datasets to support strategic decision-making.

- Developed Python scripts for data processing and analysis, improving data accuracy by 15% and processing efficiency by 20%.
- Analyzed large datasets to generate actionable insights, informing key business decisions and contributing to a 10% increase in data-driven strategies.
- Automated data extraction, transformation, and loading (ETL) processes, reducing manual effort by 25% and ensuring data integrity.
- Collaborated with cross-functional teams to define data requirements and deliver tailored analytical solutions.
- Created compelling visualizations and reports, effectively communicating complex findings to stakeholders and influencing strategic outcomes.

PROJECTS

Authentication & Activation System

Jan 2025 - Dec 2025

Built a secure software authentication and license activation system using MAC address verification, integrated with a web UI for user and license management, leveraging PHP, Python, JavaScript, and MySQL.

PrivConect-Mini Social Media Platform

Jan 2025 - Dec 2025

Created a script to insert random video clips and background music into existing footage with custom timing and layout using Python, MoviePy, and Pillow, for a social media platform built with PHP, MySQL, JavaScript, HTML, and CSS.

NDIS Roster & Participant Management System

Jan 2025 - Dec 2025

Built a web-based system for NDIS service providers to manage staff rosters and participant details, including secure login, dynamic rostering, role-based access, and data reporting modules, using PHP, JavaScript, and MySQL.

AI Audio Transcription Tool

Jan 2024 - Dec 2024

Built a fast, real-time audio transcription tool using Python, OpenAI Whisper, and Groq to convert speech to text with high accuracy.

WhatsApp Automation Tool

Jan 2024 - Dec 2024

Developed a tool to automate WhatsApp messaging using Python, Selenium, and PyWhatKit for scheduling messages, sending alerts, and managing bulk communication.

Video Processing Script

Jan 2024 - Dec 2024

Created a script to insert random video clips and background music into existing footage with custom timing and layout using Python, MoviePy, and Pillow.

Loksamaj Newspaper Website

Jan 2023 - Dec 2023

Developed a news website for Loksamaj using WordPress, Elementor, and JS, including custom layouts for news categories, featured sections, and dynamic post management.

Hand Gesture Controlled Presentation

Jan 2023 - Dec 2023

Created a gesture-based system that uses webcam input to detect hand movements and control presentation slides using Python, OpenCV, MediaPipe, and CvZone for accurate hand tracking.

Facebook Marketing Automation Tool

Jan 2022 - Dec 2022

Built a tool to automate Facebook tasks like post scheduling, commenting, and contact scraping using Python, MySQL, Selenium, and BeautifulSoup.

Telegram Marketing Automation Tool
Jan 2021 - Dec 2021
Developed a Telegram tool for group scraping, messaging, contact management, and campaign automation using Python, MySQL, Selenium, Requests, BeautifulSoup, and Telegram API.

EDUCATION

Computer Science and Engineering
• Green University of Bangladesh • Jan 2022

SKILLS

IT Administration | IT Admin, Server Management, Network Infrastructure, IT Policies, Technical Support

Programming & Development | Python, SQL, Automation, Containerization (Docker), Linux Environments, PHP, JavaScript, HTML, CSS

Data & Analytics | Data Processing, Data Analysis, ETL Processes, Data Visualization, Large Datasets, Actionable Insights

Project Management | Project Planning, Resource Allocation, Risk Management, Cross-functional Team Leadership, Client Engagement

Tools & Technologies | Selenium, BeautifulSoup, Telegram API, WordPress, Elementor, OpenCV, MediaPipe, CvZone, PyWhatKit, OpenAI Whisper, Groq, MoviePy, Pillow, MySQL

LANGUAGES

English, Bangla, Hindi

INTERESTS

Machine Learning Operations
• MLOps

Computer Vision
• OpenCV

Internet of Things
• IOT