

JEAN MUISHA SHEBANDU

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EDUCATION

Cyprus International University
Bachelor of Science in Information technology

Nicosia TR

SUMMARY

Freelance Web Developer, Network Engineer, Socket Analyst & Project Manager with strong expertise in real-time communication, secure digital infrastructures, and modern UI/UX design. Graduated in Information Technology from Northern Cyprus, with hands-on experience at BRT Television as an IT Technician, where I worked on network management, system maintenance, and technical support. I specialize in developing real-time systems, secure infrastructures, and high-performance web applications. My technical background includes Socket Programming in C++, Mail Automation, Chatbot Development, and intelligent automation that enhances communication, efficiency, and data security. Driven by innovation and precision, I deliver modern, secure, and user-centered digital solutions, combining UI/UX design with strong engineering to empower both individuals and businesses.

EXPERIENCE

ERP Developer – Chocolate ERP System

https://github.com/Jbmuisha/chocolate_ERP.git

feb 2025 - june 2025

Nicosia- TR

- Developed core modules: Inventory Management, Product Management, Product Batch Management, Supplier Management, Purchase Orders, and Sales Recording.
- Implemented user authentication, role-based access, and separate admin/employee dashboards.
- Built dynamic dashboards using JavaScript and Chart.js to display daily, weekly, monthly, and yearly sales trends.
- Added real-time notifications for purchase orders, inventory updates, and new product additions.
- Integrated advanced reporting features such as inventory reports, supplier reports, and sales summaries, all in a unified reporting interface.
- Designed a clean, modern UI/UX for a smooth and intuitive user experience.

Tools: Flask, Python, SQLAlchemy, HTML/CSS, JavaScript, Chart.js, Jinja, SQLite/MySQL

AI Chatbot Engineer & Front-End Developer – SpeedAutoCar

<https://speedautocar.netlify.app/>

sept 2024 - jan 2025

Nicosia-TR

Highlights:

- Engineered a full single-page automotive site with real-time Google Sheets API pipelines.
- Built a multi-intent **Voiceflow chatbot** featuring:
 - Dynamic car search
 - Knowledge base retrieval
 - Test drive booking via **Calendly API**
 - Refund & issue reporting via **Zendesk ticketing API**
- Implemented email validation, form submission logic, and popup interfaces for vehicle quotes.
- Designed UI/UX wireframes in **Figma** and translated them into clean, responsive code.
- Created fallback flows, confidence filters, and “None Intent” logic to prevent hallucinations.
- Performed comprehensive testing (debug mode + mass testing) and optimized response flows.

Stack: HTML, CSS, JavaScript, Voiceflow (API Integration), Google Apps Script, Calendly API, Zendesk API, Figma

iPad Ordering System (Restaurant Ordering Simulation)
<https://github.com/MrSolution03/Ipad-Ordering-system.git>

jan 2024 -jan 2024
Nicosia-TR

- User Management: Sign-Up and Login for table managers, with credentials stored locally using localStorage.
- Dynamic Cart: Add, remove, and update item quantities with automatic total price calculationComplete
- Order Process: Enter customer name and table number, confirm orders with a unique order number and a thank-you message.
- Enhanced Client Interface: Product categorization, search bar for quick item lookup, and intuitive order management.Suggestion & Feedback Form: Customers can suggest new items or provide feedback, with animated display and thank-you message.
- Front-End Only Solution: Fully simulated without a backend, demonstrating DOM manipulation, event handling, and dynamic modals with jQuery.

Impact:

- Reduces counter queues and improves service speed.
- Optimizes customer experience with an intuitive and responsive interface.
- Collects feedback for continuous improvement of the service.
- Demonstrates advanced JavaScript and jQuery skills applied to a fully interactive front-end project.

Technologies: HTML, CSS, JavaScript, jQuery, localStorage

RBAC & ABAC Access Control System with SELinux and AppArmor
<https://github.com/Jbmuisha/RBAC-ABAC-Access-Control-System-with-SELinux-and-AppArmor.git>

sept 2024 -nov 2024

Highlights:

- Developed a comprehensive RBAC & ABAC access control system for Linux, enforcing role-based and attribute-based file access.
- Configured SELinux policies: admin users with full access, employee users with read-only access.
- Created AppArmor profiles to sandbox execution of user scripts managing sensitive files.
- Implemented time-based ABAC rules for employees via Python script, restricting access outside working hours.
- Automated logging of all access attempts (success, denial, policy violations) in a centralized log file.
- Built unified demo scripts to test RBAC, ABAC, and cross-user access attempts for auditing and verification.
- Delivered full automation of setup, enforcement, and testing, demonstrating expertise in Linux security, policy management, and scripting.

Stack: Linux (Ubuntu/RHEL), SELinux, AppArmor, Bash scripting, Python3, Systemd

BRT Television – IT Intern (Network & Systems Configuration)
<https://brtk.net/>

july 2023 - october 2023
Nicosia -TR

Highlights:

- Configured and managed LAN and VLAN networks to ensure efficient connectivity and segmentation.
- Troubleshoot and repaired user laptops, desktops, and peripheral devices to minimize downtime.
- Installed, configured, and updated software applications and internal tools across the organization.
- Managed user accounts, permissions, and access controls for secure operations.
- Automated routine maintenance and configuration tasks using Python and Bash scripts.Monitored network performance, system stability, and security settings, identifying and resolving issues proactively.
- Assisted in deploying databases, applications, and internal tools for organizational use.Documented configuration processes and IT procedures for knowledge sharing.

impact:

- Ensured stable, secure, and well-configured IT infrastructure at BRT Television.
- Improved efficiency in network management, hardware troubleshooting, and system administration.
- Gained hands-on experience in network configuration, IT support, and automation.

***Stack / Tools:** Windows & Linux Administration, Networking (LAN/VLAN), System Configuration, Active Directory, SQL, Python, Bash, Git.*

IT Helpdesk Technician – Near East University (NEU IT Department)

Jan 2021 – June 2021
Lefkoşa, TRNC

- Support for 300+ users daily (Wi-Fi, accounts, VPN, smart classrooms).
- Installed Windows/Mac systems, configured printers & remote tools.
- Assisted in data center maintenance & lab preparation.

Stack: AD, Windows Server, Linux, Networking.

Junior Network Technician – KIBTEK (Cyprus Turkish Electricity Authority)

June 2021 – Dec2021
lefkosia , TRNC

- Monitored SCADA networks, configured routers/switches.
- Worked on fibre links, UPS installations, and network incidents.

Stack: Cisco, Mikrotik, SNMP, Fibre, Linux.

IT Field Technician – OSGA Communication Services

Mars 2022- sept 2022
lefkosia , TRNC

- Installed internet networks in homes & businesses (Wi-Fi mesh, routers).
- Set up Mikrotik devices, tested speed, fixed signal issues.

Stack: Mikrotik, Ubiquiti, LAN/WLAN.

PROJECT

jezzyAgency – IT / FinTech Developer

On going

Highlights:

- Developing a mobile application with admin and client interfaces for money transfers, appointment booking, and financial tracking.
- Implemented backend routes in Flask for user accounts, transactions, appointment management, and notification delivery.
- Integrated payment APIs (Airtel Money, Orange Money, PayPal) for secure client-side and admin-side transactions.
- Built responsive front-end interfaces for clients (sending/receiving money, booking appointments, receiving notifications) and admins (monitoring users, managing transactions, tracking appointments).

- Developed email and in-app notification workflows for transaction confirmations, appointment reminders, and system alerts.
- Implemented financial logic to calculate funds, company revenue, expenses, and commissions (dîme) automatically.
- Managed SQL database operations for user profiles, transaction logs, scheduled appointments, notifications, and financial summaries. Tested and iterated features to ensure security, accuracy, usability, and smooth workflow.

Impact:

- Contributing to a secure, scalable, and user-friendly mobile platform connecting clients and admins while providing accurate financial tracking.
- Gained hands-on experience in mobile app development, full-stack FinTech solutions, financial calculations, API integration, and notifications.

MLCK Cybersecurity App – In Development

On going

Highlights:

- Developing a mobile application with Flutter front-end and Python/Flask backend to detect email breaches and monitor DNS configurations.
- Integrated Firebase Authentication and Firestore for secure user management and real-time data storage.
- Implemented external breach-monitoring APIs to allow users to:
 - ◆ Check if their email appears in known data leaks
 - ◆ Scan and validate DNS configurations
 - ◆ Receive instant security notifications
 - ◆ Built modular backend APIs in Flask for scalable cyber-threat detection.
- Developed push notification alerts to inform users about new breaches or DNS misconfigurations.
- Designed admin dashboard to monitor scans, user activity, and potential anomalies.
- Ongoing work includes automated scheduled scans, user dashboards showing risk level and breach history, and real-time reporting.

Impact:

- Contributing to a secure, user-friendly mobile cybersecurity platform with real-time alerts and actionable insights.
- Gained hands-on experience in Flutter mobile development, backend API design, Firebase integration, and cybersecurity workflows.

Stack: Python, Flask, Flutter, Firebase Auth & Firestore, DNS Libraries, Email Breach APIs (HaveIBeenPwned), REST APIs

TECHNICAL SKILLS

Languages: Python ,C# ,C++ ,sql ,java

Framework & API :React js, Tailwing , Flutter , Flask , Django ,Next js

Web technologies: Html , CSS , Javascript

Clouds : Git , Github

UX & Design : Figma