SHABAN LUKYAMUZI

Fairfield, Iowa 52556 • +1-641-233-0269 • kirimutuharouna@gmail.com
https://www.linkedin.com/in/charmzshaban/

.NET BACKEND DEVELOPER

Versatile software developer with 3 years of experience building enterprise applications in healthcare and F&B. Skilled in developing scalable backend systems and user-friendly interfaces under tight deadlines. Experienced across the full software development lifecycle, with a focus on performance, code quality, and maintainability. Proficient in C#, JavaScript, React, ASP.NET Core MVC, and Web API, bringing a practical, solutions-oriented approach to every project.

• Microservices Architecture • Cloud-based infrastructure and deployment • Problem-Solving and Innovation
• Continuous Integration/Continuous Delivery (CI/CD) • Version Control • Test-Driven Development (TDD)

Languages: C#, JavaScript
Web: ReactJS, Bootstrap, Material UI, HTML, CSS, JSON, AJAX
Web Services: REST Client Libraries, SOAP, ASP.NET Core Web API
Web/App Servers: IIS Server, TeamCity
Frameworks: ASP.NET Core, Entity Framework
Databases: MySQL, MS SQL, PostgreSQL
Design Patterns: Repository Pattern, MVC Pattern, Dependency Injection
SDLC: Agile
Tools: Visual Studio, Resharper, LINQPad, Docker, Git, Nuget, NUnit, Postman, Razor Pages, Blazor, SQL Server Management Studio (SSMS)
Platforms: Windows, Linux, Amazon Web Service (AWS)

CAREER NOTE: *Completed on-campus studies and currently taking distance education courses to complete a* ***Master's Degree in Computer Science*** *(Available for full-time, W-2 employment).*

PROFESSIONAL EXPERIENCE

INFINITY COMPUTERS AND COMMUNICATIONS LTD, Kampala, Uganda • 09/2021 – 07/2024
Technology company delivering end-to-end telecom infrastructure and IT solutions, empowering businesses with scalable and innovative digital transformation.

Software Developer
Design, write, and test code for new systems and update software to ensure efficiency.

- Developed database generation and migration scripts for the "You Model It" tool using Entity Framework Core, enabling rapid prototyping and evolution of database schemas.
- Implemented dynamic data filtering in "You Trace It" with LINQ and Entity Framework Core, allowing custom record retrieval and improving system responsiveness and usability.
- Architected the user rights management module in "You Trace It" using ASP.NET Core Identity and role-based authorization, ensuring secure, scalable, and feature-specific access control tailored to individual user roles.
- Delivered full CRUD functionality in "You Trace It" for key data entities using ASP.NET Core Web API, Entity Framework Core, and SQL Server, streamlining record creation, retrieval, updates, and deletions.
- Designed and implemented user-friendly UIs for "PlanBip", a web-based document management system, using ASP.NET Core MVC with Razor Pages and Bootstrap, enabling secure and intuitive file upload and organization.
- Integrated drag-and-drop document upload capabilities in "PlanBip" using HTML5 Drag-and-Drop API, JavaScript, and server-side processing with ASP.NET Core Controllers, enhancing ease of use and productivity.
- Programmed reliable file and folder upload features in "PlanBip" using ASP.NET Core, IFormFile for handling uploads, and integrated with Azure Blob Storage for secure and scalable cloud storage operations.
- Implemented server-side pagination in "PlanBip" using LINQ and Entity Framework Core, combined with AJAX for smooth frontend loading and improved performance with large datasets.
- Developed advanced search functionality in "PlanBip" using LINQ queries and SQL Server Full-Text Search, enabling efficient retrieval of documents based on filenames and metadata.

Technologies Used: *C#, JavaScript, React, ASP.NET Core MVC, and ASP.NET Core Web API, Azure.*

ACADEMIC PROJECTS

Maharishi International University (2025)

- **TicTacToe Game:** Developed a web-based multiplayer game using a fully serverless AWS stack with WebSocket real-time communication for low-latency global gameplay. Backend built with API Gateway, Lambda, and DynamoDB for scalable session management, move synchronization, and user matchmaking. Frontend developed with ReactJS and Material UI.
- **Product-Review-Rating-Platform:** Built a full-stack web application with React and TypeScript frontend and Express backend, enabling users to browse products, submit reviews, and rate items. Designed with modular architecture, data validation, and performance optimization for an improved user experience.

PERSONAL PROJECTS

- **State House Land File Management System (2024):** Developed a cross-platform application suite (web, mobile, desktop) to manage land dispute complaints and investigations. Features include case registration, document management, operative assignment, progress tracking, and dynamic report generation. Built with ASP.NET MVC, Entity Framework, C#, AngularJS, Bootstrap, and CSS3.
- **eCommerce BookStoreWebsite (2024):** Developed a full-stack, database-driven web application for digital book retail, supporting CRUD operations, secure online transactions, and user-generated ratings and reviews. Built with Java Servlets, JSP, Hibernate, and MySQL.
- **Building Digit Recognizer (2022):** Developed a machine learning system to recognize handwritten digits, handling variations in style and imperfections across different writers. Implemented using Python in Jupyter Notebook.
- **Building Movie Recommendation Engine (2022):** Created a recommendation system that analyzes user movie preferences, identifies similar users, and suggests movies they liked. Implemented using Python with Pandas, NumPy, and Scikit-learn in Jupyter Notebook.
- **Credit Card Fraud Detection (2022):** Developed a machine learning model to detect fraudulent credit card transactions by analyzing patterns in historical data, including transaction amount, location, and frequency. Implemented using Python in Jupyter Notebook.
- **Malaria Detection (2022):** Developed a system to automate malaria diagnosis using machine learning and image processing, addressing limitations of traditional RDT and microscopic methods by improving speed, accuracy, and accessibility. Built with Python in Jupyter Notebook.
- **Twitter Sentiment Analysis (2022):** Twitter Sentiment Analysis 2022: Built a machine learning model to analyze tweets and classify sentiments as positive, negative, or neutral. Used for evaluating opinions on people, products, or services, like models used by social platforms for content moderation. Developed with Python in Jupyter Notebook.
- **Profit Prediction for Start-ups (2022):** Built a machine learning model to predict startup profits based on expenditures across different areas and the operating state. Implemented using Python in Jupyter Notebook.
- **Heart disease prediction (2022):** Developed a machine learning model to predict the likelihood of heart disease by analyzing medical data such as age, blood pressure, and cholesterol levels. Implemented using Python in Jupyter Notebook.
- **Banking credit worthy (2022):** Built a credit scoring model to evaluate individuals' financial and demographic data, generating scores used by lenders to assess creditworthiness. Implemented using Python in Jupyter Notebook.
- **Wine Quality (2022):** Developed a machine learning model to classify wines as high or low quality based on chemical composition and other attributes, providing an objective measure to guide stakeholders. Implemented using Python in Jupyter Notebook.

EDUCATION

Master of Science in Computer Science
(In progress via distance education; expected completion 10/2027)
Maharishi International University, Fairfield, Iowa
Key Courses: Web Application Programming, Cloud Computing, Algorithms, Enterprise Applications

Bachelor of Science in Computer Science
Makerere University, Kampala, Uganda