Shudufhadzo Barie Tshimuka

✉ shudufhadzo118@gmail.com   📞 +27 79 082 9571

in LinkedIn Profile   ⦿ GitHub Profile

⦿ Johannesburg, South Africa   ⚑ South African

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Profile Summary

I have completed a qualification in a Diploma in Information Technology in Software Development, NQF 6, from Central University of Technology. I have a solid foundation in software engineering principles and am passionate about backend engineering, web technologies, and building scalable, efficient applications. Skilled in C#, JavaScript, and ASP.NET with hands-on project experience in full-stack web and mobile app development. Eager to contribute to innovative engineering teams through an internship or junior developer role, applying strong problem-solving skills, a growth mindset, and solid technical foundations in OOP, REST APIs, and Agile development.

Education

Diploma in Information Technology – Software Development

Central University of Technology, Bloemfontein, Free State

Graduation: 2025

Relevant Courses: Data Structures, Web Development, Object-Oriented Programming, Database Management

Technical Skills

Languages: C#, JavaScript, Dart, Bash (Linux)
Frameworks / Web Tech: ASP.NET , React.js, Node.js, HTML5, CSS3
Databases: SQL Server, MySQL, Firebase
Tools & IDEs: Visual Studio 2022, VS Code, Git, Figma
Concepts: OOP, REST APIs, MVC Architecture, SDLC, Agile Methodology

Projects

Employee Verification Mobile App | *Flutter, Firebase*
• Developed a mobile employee verification system allowing employees to register and request verification.
• Integrated Firebase Authentication, Cloud Firestore, and Firebase Storage for secure data handling.

• Implemented camera/image upload, document storage, and real-time request status updates.

AI Personal Assistant Chatbot | *JavaScript, HTML, CSS*
• Built an interactive chatbot capable of real-time responses through DOM manipulation and modular JS functions.
• Optimized performance for smooth UI interaction and scalability.

HotelBookingAPI | *C#, ASP.NET Web API, SQL Server*
• Designed and implemented a RESTful Hotel Booking API supporting room availability bookings, filtering, and user operations.
• Applied clean architecture principles, DTOs, repository pattern, and dependency injection.
• Ensured validation, error handling, and standardized API responses.

TravelPlanner Web Application | *C#, ASP.NET MVC, SQL Server*
• Built a travel destination planning system with search, filtering, destination pages, and image galleries.
• Implemented MVC architecture with strong separation of concerns and reusable components.
• Integrated database storage for destinations, categories, and location metadata.

Certifications
• Cisco Certified Network Associate (CCNA) – 2023

• CyberOps Associate – 2022

• IT Essentials – 2022

Additional Highlights
• Strong collaboration, adaptability, and problem-solving skills.
• Familiar with cloud hosting platforms such as Azure, Render and GitHub Pages.
• Experienced in version control and collaborative workflows using Git & GitHub.

References
Available upon request.