ASITH HEWADEWAGE

Sydney, NSW

WEB DEVELOPER PROFILE:

- ➢ I'm a Bachelor of Science (Computer Science, Mathematics, and Physics) graduate with strong skills in Front-end Development, Back-end Development, Database Management, and Version control.
- ➢ Strong knowledge and skills in HTML, CSS, JavaScript, Bootstrap, Python, Flask and SQL Databases.
- ➢ I have completed web development projects such as a Blog Website with User Authentication and a Python-based Tic-Tac-Toe game, showcasing skills in backend development, frontend design, and database management.

KEY WEB DEVELOPMENT SKILLS:

- o **Frontend Development:** Proficient in developing dynamic and interactive web interfaces for Udemy Python Pro Bootcamp projects using HTML, CSS, JavaScript, Bootstrap, and Jinja for blog content rendering.
- o **Backend Development:** Skilled in developing a full-stack blog application using Flask and Python, implementing user authentication, session management, and CRUD operations.
- o **Database Management:** Skilled in building and managing relational databases using SQLAlchemy ORM and SQLite, implementing model relationships and migrations.
- o **Version Control:** Experience in maintaining project versions and collaboration history effectively using Git and GitHub.
- o **Development Tools:** Skilled in utilising IDES such as PyCharm and Visual Studio to develop, debug, and manage projects efficiently.

QUALIFICATIONS & CERTIFICATIONS:

- ➢ **100 Days of Code: Complete Python Pro Bootcamp** - Udemy, Certificate of Completion, 2024
- ➢ **Google Digital Garage: Fundamentals of Digital Marketing** – Google, Certificate of Completion, 2021
- ➢ **Bachelor of Science -** University of Sri Jayewardenepura (Sri Lanka), 2016

KEY WEB DEVELOPMENT PROJECTS:

PROJECT NAME: BLOG WEBSITE WITH USER AUTHENTICATION

Objective: To design and develop a web-based blog application using Python and Flask, allowing users to manage blog posts securely.

Key Tasks:

1. Developing the backend with Flask, designing RESTful routes and dynamic view functions, and integrating Flask-Login for authentication and Flask-CKEditor for rich text editing. Applied Python OOP to modularise the application structure.
2. Designing the responsive and user-friendly front end using HTML, CSS, and Bootstrap 5, integrating forms, navbar, and dynamic post rendering through Jinja2 templates.
3. Integrating an SQLite database using SQLAlchemy ORM to manage relational data models for users, blog posts, and comments, ensuring referential integrity with foreign key relationships.

4. Implementing user authentication with password hashing via Werkzeug Security, session management using Flask-Login, and access control with decorators for authenticated routes.
5. Building full CRUD functionalities: users could create, edit, view, and delete posts, and admin privileges were implemented with role-based access control.
6. Deploying the application locally for development, creating structured requirements.txt, and performing unit and manual testing to validate endpoints, form validation, and user flows.

Outcome: Successfully created a fully functional blog website with secure user authentication and blog management features. Demonstrated full-stack development skills and strengthened knowledge of database integration and web security practices.

PROJECT NAME: TIC-TAC-TOE GAME

Objective: To design and implement a command-line Python-based Tic-Tac-Toe game for two players.

Key Tasks:
1. Programming the complete game logic using Python functions, defining a dynamic 3x3 board, and modularising code for easy maintenance and scalability.
2. Implementing input validation with error handling to ensure players could only input valid moves (example: numbers between 1-9 on empty spots).
3. Developing robust win/draw detection algorithms, checking all rows, columns, and diagonals after each move to determine the game's outcome.
4. Managing player turns with clear prompts and alternating markers ('X' and 'O'), displaying the board after every move using formatted strings.
5. Conducting extensive manual testing across multiple scenarios, including edge cases like early wins, full draws, and invalid move attempts, ensuring no logical inconsistencies.

Outcome: Developed an engaging two-player game that runs smoothly in a command-line interface. Improved algorithmic thinking, game logic implementation, and enhanced Python programming skills.

PROFESSIONAL EXPERIENCE

CONSOLE OPERATOR, 7-ELEVEN, ALBION PARK, AUSTRALIA JANUARY 2022— PRESENT

Responsibilities:
- Providing customer service support to over 100 customers daily, including processing transactions, ordering stock to receive deliveries and processing refunds.
- Performing KPI tasks including daily ordering, cashiering, receiving deliveries, checking expiry dates, and maintaining store cleanliness.
- Conducting temperature checks and performing store maintenance duties.
- Training 15 newly hired employees on store procedures and best practices.

IT BUSINESS ANALYST, NATURUB EXPORTS INTERNATIONAL, SRI LANKA
SEPTEMBER 2017 – DECEMBER 2021

Responsibilities:
- Conducting interviews, workshops, and system walkthroughs to gather and document existing business processes, system integrations, reporting needs, and workflow requirements.
- Creating detailed Functional Requirement Documents (FRDS) including to-be process maps, system screens, report templates, and workflow diagrams using tools like Bizagi Modeller, FreeMind, Draw.io, MS Word, and Excel.
- Facilitating user review sessions to validate requirements, incorporate feedback, and secure formal sign-off before transitioning documents to ERP developers.
- Tracking project progress using Microsoft Project, maintaining updated timelines, and generating regular status reports for senior management.
- Designing and delivering in-house training programs, prepared UAT test cases, and supported the successful rollout of key ERP modules (Stores, Procurement, Finance), while mentoring new employees on business processes and analysis standards.
- Leading a lean manufacturing initiative by analysing workflows, creating value stream maps (VSMS), identifying efficiency gaps, and presenting process improvements for top management approval.
- Gathering and analysing user/system requirements, developing Software Requirements Specification (SRS) documents with diagrams and use cases, and collaborating with developers and stakeholders for solution development.

STORE SUPERVISOR, JAY KAY MARKETING SERVICES (PVT) LTD, SRI LANKA

JANUARY 2017 – MAY 2017

Responsibilities:
- Managing receipts by recording incoming material details, issuing shelf products to the front area, and ensuring smooth stock movement in the SAP system.
- Conducting periodic stock verification and reconciling physical inventory with system records to maintain inventory accuracy and minimise errors.
- Performing stock transfers, returns, and damage disposals while maintaining inventory levels and preserving the quality and safety of warehouse materials
- Keeping all stock-related documents updated and generating inventory and movement reports for management and relevant authorities.

TELLER/CASHIER, PEOPLE'S BANK, SRI LANKA JUNE 2013 – JANUARY 2014

Responsibilities:
- Assisting customers by handling financial transactions, including accurately processing deposits, withdrawals, and fund transfers.
- Working across multiple banking sections such as loans, pawning, and account opening, supporting branch operational efficiency.
- Conducting a jewellery auction event and participating in two merchandising campaigns to promote the bank's services and products.