Harsh Shetty

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Motivated and detail-oriented software engineer with 1+ years of experience and expertise in Python and COBOL programming languages. Proficient in mainframe technologies, particularly DB2. Actively seeking opportunities to expand knowledge and skills. Committed to delivering high-quality solutions and continuously improving in a dynamic team environment.

Work Experience

**Software Engineer**

Ergo Technology & Services - Mumbai, Maharashtra

June 2022 to Present

* Trained in Mainframe technologies such as COBOL, PL/1, JCL, VSAM, SQL, and
* DB2.
* Assisted in the migration testing from Endeavor to ISPW, aiding in a successful
* transition.
* Built a Screen Translation Tool to reduce language barriers.
* Automated user-ID change impact analysis using REXX, substantially reducing
* manual effort.
* Handled the premium adjustment module of ERGO's health system.
* Conducted Mainframe and COBOL training, enhancing the skill set across
* multiple teams.
* Created an internal Talent Acquisition tool to improve the hiring process.

Education

**Master's degree in Computer Science**

University of mumbai - Mumbai, Maharashtra

**Bachelor's degree in Physic**

Bhavan's College - Mumbai, Maharashtra

Skills / IT Skills

Python, AWS, Cloud computing, Mainframe, COBOL, PL/1, JCL, VSAM, SQL, SQLite, Microsoft SQL Server, DB2, Django,Pandas, Java, JavaScript, Power tools, REXX

Languages

• English - Expert

• Hindi - Fluent

• Tulu - Fluent

• German - Beginner

Online Profile

LinkedIn: http://linkedin.com/in/harsh-shetty-2a980b209

Github: https://github.com/Harsh-Shetty

Certifications and Licenses

* AWS Certified Cloud Practitioner
* Foundational ISTQB Certification (CTFL)

Projects

* **Screen Translation Tool**

Developed a Screen Translation Tool to automate the conversion of German text to English, enhancing workflow. Utilized Python, OpenCV, and Tesseract OCR along with DeepL for translation. The tool captures a screen snip, identifies user-selected text via OCR, and outputs the translation in Notepad.

* **Endevor to ISPW Migration Testing**

Collaborated in the Endeavor to ISPW migration testing, focusing on system requirements and test case execution to ensure tool reliability. Contributed to the project's success by verifying that ISPW met all defined system specifications for mainframe development.

* **REXX Tool for Mainframe PNR Expansion**

Actively developing a REXX-based tool to streamline the transition from 6-digit to expanded Personal Numbers (PNR) in ERGO's mainframe system. The tool identifies impacted variables in legacy languages like COBOL, PL/1, and HLASM, and generates a CSV for easy modification, aiding in codebase optimization.

* **Talent acquisition tool**

Engineered a HR Talent Acquisition tool using Power Apps and Power Automate, enhancing the recruitment process. The tool features role-based access and automates notifications to reduce manual coordination, thereby increasing efficiency in candidate management.

* **ERGO Health System BAP Module**

Acquired expertise in ERGO's BAP module for premium adjustment, a critical component for tailoring customer offers. The module considers variables like age, health conditions, and legal factors to optimize premium settings, positioning me as a knowledgeable asset for offer and proposal creation.

Personal Projects

* **2048 Puzzle Game**

A sliding puzzle game where the objective is to combine tiles to reach the number 2048. Incorporates swiping mechanics for user interaction.

* **Amazon Sumerian Virtual Reality Project**

Developed as part of a Master's course in Computer Science, this VR project features multiple rooms, each with unique assets. Integrated a human-like host using AWS Lex and Polly services to greet users and an AV room dedicated broadcasting to cloud computing courses.

* **Classic Snake Xenzia**

Inspired by Nokia's snake game. The snake grows as it eats circles. Game ends if the snake collides with itself.

* **Amazon Sumerian Virtual Reality Project**

Developed a secure web application requiring user login for access. Extensive profile management features include options for username, display picture, and password changes. Users can create posts with text and linked videos, time stamped with date and time. Home screen offers truncated post previews, limited to 10 per page with pagination. Clicking "Read More" or the title leads to the full post on a separate page.

* **Django Web App**

Developed a secure web application requiring user login for access. Extensive profile management features include options for username, display picture, and password changes. Users can create posts with text and linked videos, time stamped with date and time. Home screen offers truncated post previews, limited to 10 per page with pagination. Clicking "Read More" or the title leads to the full post on a separate page.

* **Hangman**

Console-based word-guessing game with enhanced features. Users attempt to guess words that are randomly selected from the Oxford dictionary dataset. The game includes hint options and keeps track of incorrect guesses, leading to incremental drawing of a hangman figure as a visual cue for remaining chances.

* **Memory Game**

A game featuring white squares that reveal items when clicked. Players aim to match pairs of identical items. Mismatched pairs reset to white.

* **PacMan**

A recreation of the classic arcade game. Players navigate PacMan through a maze to eat dots while avoiding ghosts.

* **Ping Pong**

Multiplayer ping pong game featuring a real-time scoreboard for competitive play.

* **Slide Puzzle**

Players rearrange scrambled image tiles to complete the picture.

* **TicTacToe**

Console-based human vs Computer TicTacToe game.