



# ProPersona - Personality Assessment Tool Documentation

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## Welcome to ProPersona

Are you wondering what your personality is like in the workplace? Then you've come to the right place! ProPersona helps you discover your soft skills, behavior traits, and communication style through a professional self-assessment.




### Personality

Discover your workplace personality traits including problem-solving approach, adaptability, and leadership tendencies that shape your professional interactions.



### Behavior

Understand your behavioral patterns in team settings, conflict resolution, and how you respond to workplace challenges and deadlines.



### Communication

Learn about your preferred communication style, feedback approach, and meeting participation to enhance team collaboration.

[Take the Assessment](#)

ProPersona™ | Therence Mashego

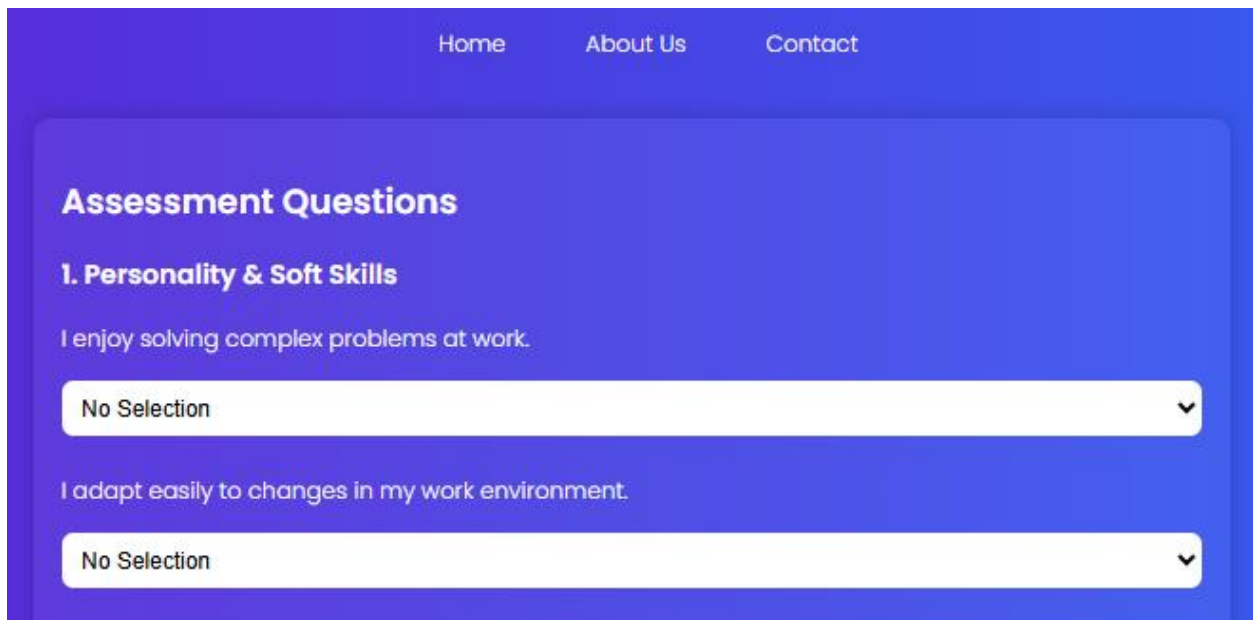
# Overview

ProPersona is a professional personality assessment tool designed to help individuals understand their workplace personality traits, behavioral patterns, and communication styles. This web application provides users with personalized insights and recommendations based on their responses to a carefully crafted questionnaire.

## Key Features

### 1. Interactive Assessment: A 15-question survey covering three key areas:

- Personality & Soft Skills
- Workplace Behavior
- Communication Style



The screenshot displays the ProPersona web application interface. At the top, there is a navigation bar with links for "Home", "About Us", and "Contact". Below this, the main content area is titled "Assessment Questions". Under this title, the section "1. Personality & Soft Skills" is highlighted. Two assessment questions are visible, each with a corresponding dropdown menu for selection. The first question is "I enjoy solving complex problems at work." and the second is "I adapt easily to changes in my work environment." Both dropdown menus currently show "No Selection" and a downward arrow icon.

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### Assessment Questions

#### 1. Personality & Soft Skills

I enjoy solving complex problems at work.

No Selection ▼

I adapt easily to changes in my work environment.



No Selection ▼

## 2. Comprehensive Analysis:

- Personality type classification (Initiator/Leader, Collaborator/Mediator, Supportive Contributor)
- Department fit recommendations
- Growth recommendations

The screenshot shows a web application interface with a blue header containing navigation links: Home, About Us, and Contact. The main content area has a light blue background and features a large blue box with the text 'Congratulations Tee tEE!' flanked by two small icons. Below this, a yellow message states 'You have completed the assessment. Here are your results:'. A dark blue notification bar with a checkmark icon contains the text 'Your results have been saved successfully!'. The main content area also includes a section titled 'Your Personality Analysis' with the following details: 'Your Personality Type: Collaborator/Mediator', 'Analysis: You are a team player who values harmony and cooperation. You excel at bringing people together and finding common ground. Your ability to mediate conflicts makes you invaluable in team settings.', and 'Where You Excel: You would thrive in human resources, customer service, or any collaborative role. Team-based environments where cooperation is valued would be ideal for you.'

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 **Congratulations Tee tEE!** 

You have completed the assessment. Here are your results:

✓ Your results have been saved successfully!

**Your Personality Analysis**

**Your Personality Type:** Collaborator/Mediator

**Analysis:** You are a team player who values harmony and cooperation. You excel at bringing people together and finding common ground. Your ability to mediate conflicts makes you invaluable in team settings.

**Where You Excel:** You would thrive in human resources, customer service, or any collaborative role. Team-based environments where cooperation is valued would be ideal for you.

### 3. Visual Data Representation:

- Pie chart showing personality trait distribution
- Radar chart comparing different skill areas



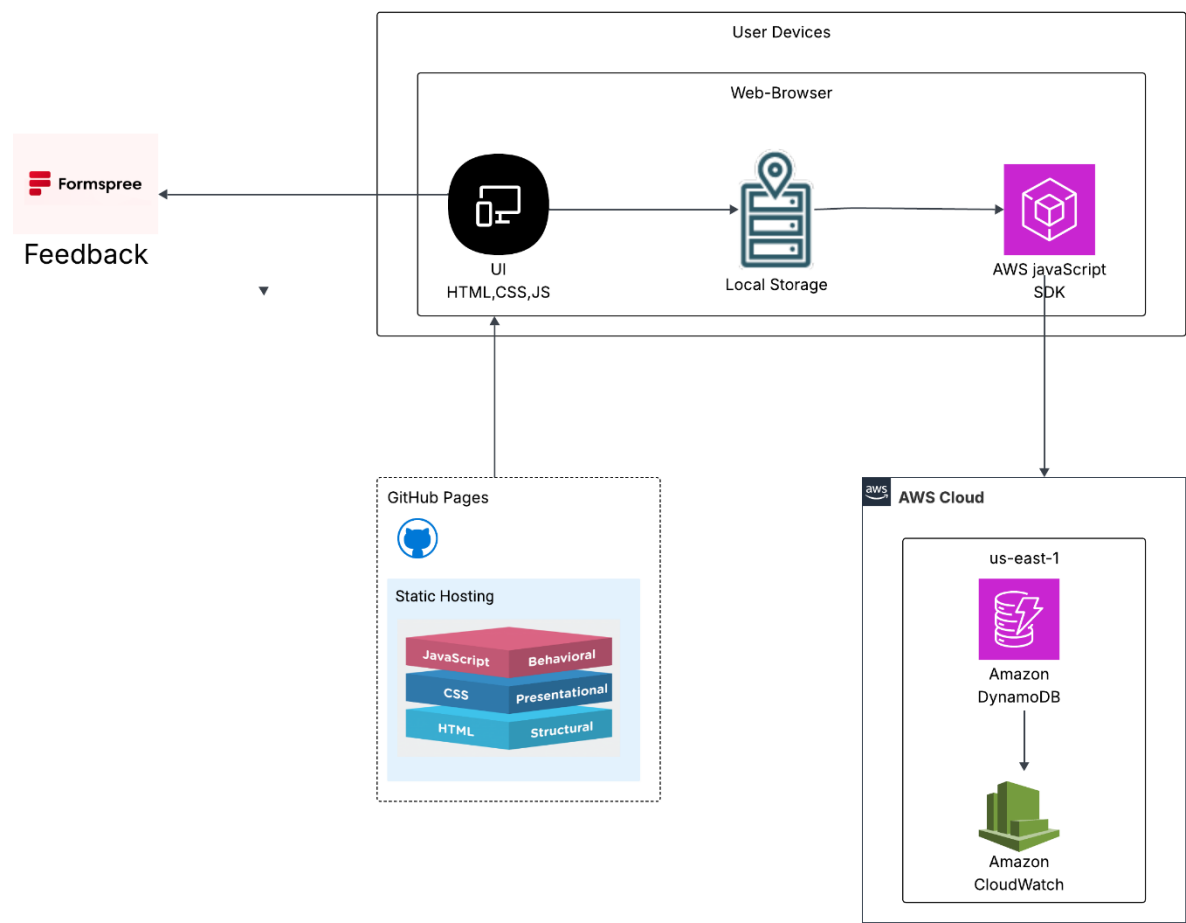
### 4. Data Persistence:

- Local storage for recent results
- AWS DynamoDB integration for long-term storage
- Prevention of duplicate submissions

### 5. Responsive Design: Works across desktop and mobile devices

# Technical Architecture

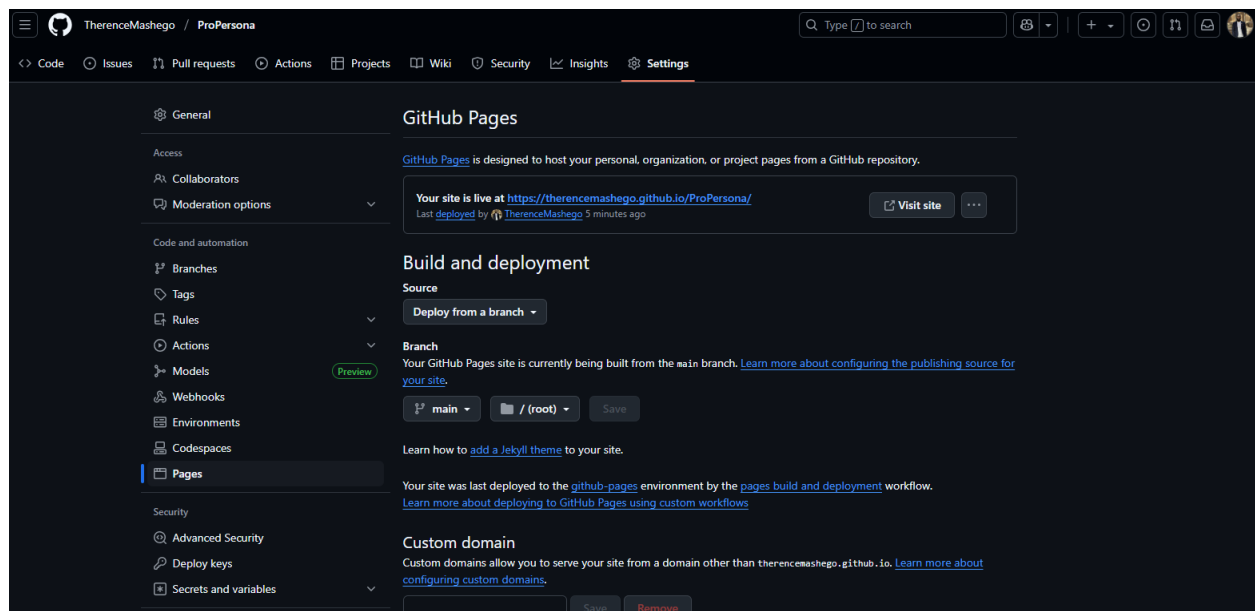
## Architectural Diagram



# ProPersona Architecture Overview

## 1. Frontend (GitHub Pages)

- index.html: Landing page with project introduction and assessment initiation
- assessment.html: Main assessment interface with questions and results display
- CSS/JavaScript: Styling and interactive functionality
- Chart.js: For data visualization of assessment results



## 2. AWS Services

### AWS DynamoDB

- Table Name: ProPersonaResponses
- Structure:
  - responseId (Primary Key): Unique identifier for each submission
  - userName: User's full name
  - userEmail: User's email address
  - timestamp: Submission date/time
  - responses: Array of question/answer pairs

- personalityType: Determined personality classification
- analysis: Detailed personality analysis
- department: Recommended department fit
- recommendations: Growth suggestions
- scores: Numerical scores for each category

Tables (1) Info

Any tag key

Any tag value

< 1 >

<input type="checkbox"/>	Name	Status	Partition key	Sort key	Indexes	Replication Regions	Deletion protection	Favorite	Read capacity mode	Write capacity
<input type="checkbox"/>	<a href="#">ProPersonaResponses</a>	Active	responseId (S)	-	0	0	Off	☆	On-demand	On-demand

DynamoDB

Dashboard

Tables

Explore items

PartiQL editor

Backups

Exports to S3

Imports from S3

Integrations New

Reserved capacity

Settings

▼ DAX

Clusters

Subnet groups

Parameter groups

Events

Tables (1)

Any tag key

Any tag value

< 1 >

ProPersonaResponses

☆

ProPersonaResponses

Autopreview

View table details

▼ Scan or query items

Scan

Query

Select a table or index

Table - ProPersonaResponses

Select attribute projection

All attributes

► Filters - optional

Run

Reset

Completed

Items returned: 10

Items scanned: 10

Efficiency: 100%

RCUs consumed: 4

×

Table: ProPersonaResponses - Items returned (10)

Actions

Create item

Scan started on May 30, 2025, 05:50:22

< 1 >

<input type="checkbox"/>	responseId (String)	analysis	department	personalityType	recommendations	responses	scores
<input type="checkbox"/>	<a href="#">tette-1748567347487</a>	You prefer t...	You would d...	Supportive Contrib...	[{"S": "Practice ti...	[{"M": {"q...	[{"N": "1"
<input type="checkbox"/>	<a href="#">mash-1748576145789</a>	You are a te...	You would t...	Collaborator/Medi...	[{"S": "Practice ti...	[{"M": {"q...	[{"N": "17"

## AWS Cognito

- Provides temporary AWS credentials for secure DynamoDB access
- Identity Pool ID: `us-east-1:9eb8b51b-4afe-4598-a006-5639fa6a8d96`

The screenshot displays the AWS Cognito console interface for the 'ProPersonalIdentityPool'. The left sidebar shows the navigation menu with 'Amazon Cognito' and 'Identity pools' selected. The main content area is titled 'ProPersonalIdentityPool' and includes an 'Identity pool overview' section with the following details:

Property	Value
Identity pool name	ProPersonalIdentityPool
ARN	arn:aws:cognito-identity:us-east-1:127214184269:identitypool/us-east-1:9eb8b51b-4afe-4598-a006-5639fa6a8d96
Identity pool ID	us-east-1:9eb8b51b-4afe-4598-a006-5639fa6a8d96
User access	Guest
Created time	May 30, 2025 at 01:07 GMT+2
Last updated time	May 30, 2025 at 01:07 GMT+2

Below the overview, there is a 'Get started with your Amazon Cognito identity pool' section and a 'User statistics' tab. The 'User statistics' tab shows the following data:

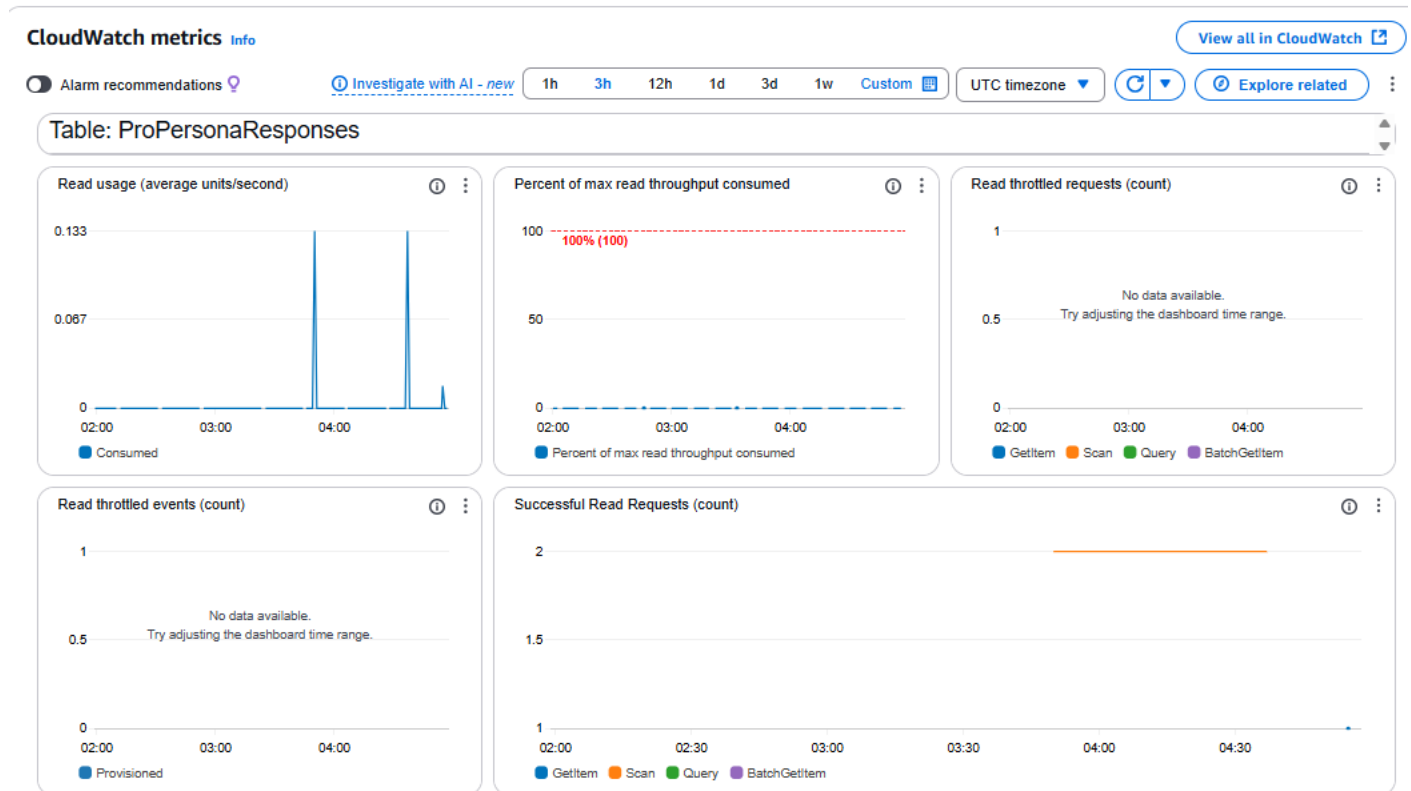
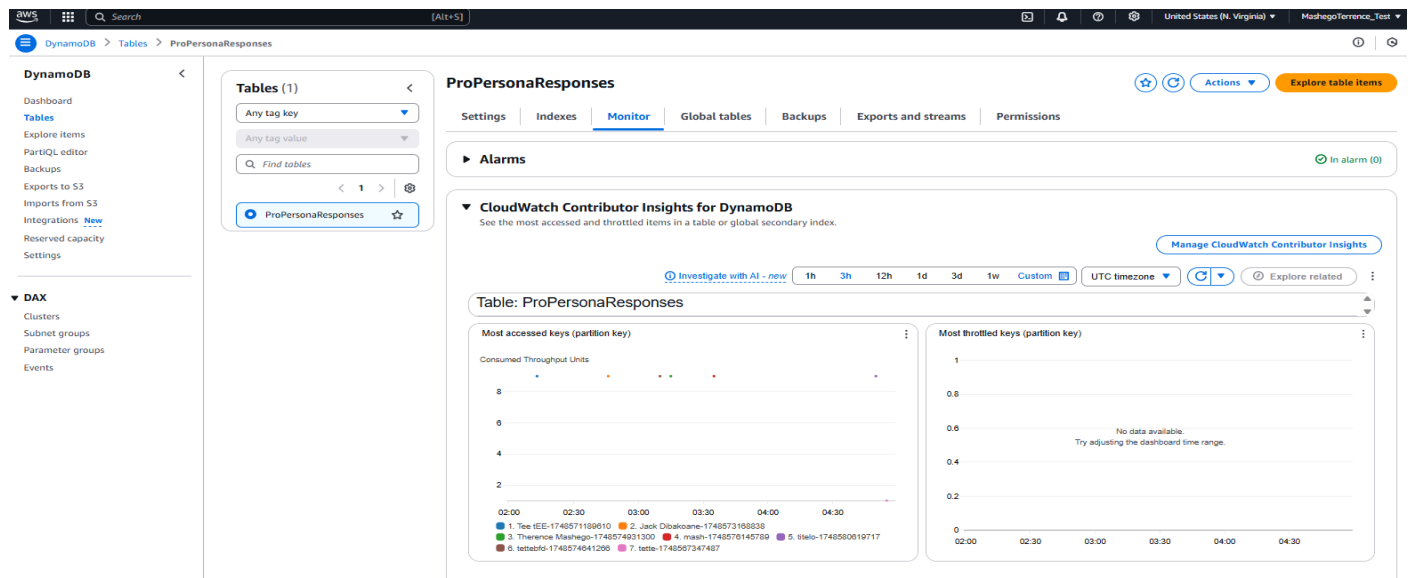
Category	Value
Identities this month	3
Total identities	3
Unauthenticated	100%
Authenticated	0%

The 'Identities' section at the bottom allows filtering by authentication method, with a dropdown menu set to 'Choose identity providers'.

## AWS CloudWatch

- Monitors DynamoDB operations
- Logs errors and successful operations
- Provides metrics on assessment submissions





### 3. Third-Party Dependencies

- Font Awesome: For UI icons
- Google Fonts (Poppins): Typography
- Chart.js: Data visualization

## **Data Flow**

### *1. User Access:*

- User visits GitHub Pages URL
- Browser loads static assets (HTML, CSS, JS)

### *2. Assessment Process:*

- User provides name and email
- Application checks for previous submissions via localStorage
- User completes 15-question assessment
- Responses are processed client-side to generate results

### *3. Data Storage:*

- Results are stored in localStorage for immediate access
- Results are sent to DynamoDB via AWS SDK
- Success/error status is displayed to user

### *4. Result Display:*

- Personality analysis is shown
- Visual charts display trait distribution
- Recommendations are provided

## **Implementation Details**

### **Security Considerations**

- Uses AWS Cognito Identity Pool for secure, temporary credentials
- Prevents duplicate submissions via email verification
- No sensitive user data is stored beyond assessment responses

## **Performance Optimization**

- Client-side processing minimizes server load
- Static hosting on GitHub Pages provides fast load times
- AWS SDK is loaded from CDN

## **Error Handling**

- Form validation with user-friendly error messages
- DynamoDB error states are clearly communicated
- Fallback to localStorage if DynamoDB unavailable

## **Deployment Process**

### *1. Frontend Deployment:*

- Code pushed to GitHub repository
- GitHub Pages enabled for the repository
- Static files served via GitHub's CDN

### *2. Backend Setup:*

- DynamoDB table created with appropriate permissions
- Cognito Identity Pool configured with DynamoDB access
- AWS SDK configured in frontend code

## **Usage Instructions**

1. Access the website via GitHub Pages URL
2. Click "Take the Assessment" button
3. Enter your name and valid email address
4. Complete all 15 questions (required)
5. View your personalized results
6. Optionally print or save your results

## **Future Enhancements**

1. User Accounts: Allow users to track progress over time
2. Comparative Analysis: Compare with industry benchmarks
3. More Detailed Reporting: Expanded insights and suggestions
4. Multi-language Support: Reach a wider audience
5. Team Assessment Features: For organizational use

## **Conclusion**

ProPersona demonstrates a complete serverless application architecture, combining static frontend hosting with cloud-based data persistence. The project showcases skills in web development, user experience design, and cloud integration while providing genuine value to users seeking professional self-awareness.