Indian Foundation For Quality Management

Empowering India's Skilled Workforce

September 2026



Redefining Quality

Indian Foundation for Quality Management

Why SkilSwapr?

A Section 8, Not-for-Profit, Industry-Led Movement catalysing Indian Organisations to become globally competitive and export-capable through **Quality, Innovation, and Excellence.**

MSME challenge
to get resources at the right time.

Large companies
have temporary workmen.

Constant flux of people
moving across companies.

That's the motivation for creating **SkilSwapr**



Introducing SkilSwapr

Indian Foundation for Quality Management

A digital skill marketplace connecting India’s blue-collar workforce with the employers who need them.

SkilSwapr creates a verified record of skilled worker with their consent to help trusted employers discover and connect.

Worker

Builds and owns the record

- Self enrolment
- Skills and certifications
- Education and employment
- Data privacy consent

Employer

Consumes and contributes

- Searches for talent
- Hiring workers
- Update employment records
- Views workforce analytics
- Contributes Workforce
- Data privacy, T&C consent

Training Center

Adds verified training

- Publishes programmes
- Enrols workers on courses
- Records courses attended
- Issues certifications
- Contribute Workforce
- Data privacy, T&C consent

IFQM Administrator

Governs the platform

- Manage worker profiles
- Onboard Employers...
- Maintains skills catalog
- Audit logs and analytics

Why we built SkilSwapr and what keeps it working

Indian Foundation for Quality Management

The goal: manage demand and supply of skilled labour in a democratised way.

THREE SOURCES OF DATA

Large employers
Data when trained staff are let go

Training institutes
Data on the workforce they trained

Workers themselves
Self-enrol, then verified by both

One verified record per worker

WHAT THAT MAKES POSSIBLE

Right worker, right job
Experience history guides placement

No overlapping jobs
Tracked history stops double jobs

Calm at contract end
The next opportunity is visible



WHAT KEEPS THE DATA GOOD

Privacy
Data protected while employed

Quality is shared
Companies and workers both feed it

Motivation both ways
Ratings for workers, rewards for firms

Insight for planning
Better search, clearer skill demand

AND IT COMPOUNDS

Companies and institutes contribute → The record gets more complete → Search and matching get better → Everyone gets more value

← which gives more reason to contribute

Workflow

Indian Foundation for Quality Management

Role	Data Flow	Data Entry	Reports
Admin (IFQM) Level 1 · Platform	Manage Skills Catalog → Accredit & Manage Training Centers → Moderate Certifications & References → Platform Oversight & Reports	Skills Catalog Training Center Accreditation Certification Moderation	• Platform Overview • Certification Audit Trail
Employer Level 2 · Organization	Register & Login → Contribute Worker Profiles (Single/ Bulk) → Search & Shortlist Talent → Hire & Manage Workforce	Worker Profiles (Single & Bulk) Job & Workforce Management	• Workforce Overview • Hiring Reports
Training Center Level 3 · Training Institute	Register Institute → Publish Courses & Programs → Enroll Trainees (Single/ Bulk) → Conduct Training & Issue Certifications → Onboards Workers	Institute Profile Courses & Programs Trainee Enrollment Certifications	• Trainee Overview • Certification Reports
Worker Level 4 · Individual	Register & Login → Build Profile → Give Consent to Make Profile Visible → Showcase Skills, Certifications & Experience → Discover Jobs & Get Hired	Personal & Contact Details Skills & Experience Training History	• Profile Completeness • Certification Summary

How SkilSwapr works

From setting up the skills library to discovering verified, job-ready workers

Indian Foundation for Quality Management

IFQM admin 01

Set up

- Central skills library
- Terms and conditions
- Bulk upload template

→

Employer 02

Onboard workers

- Bulk upload via Excel
- Or add workers singly
- Errors flagged clearly

→

Worker 03

Activate

- SMS with direct link
- Phone number and OTP
- Accept terms once

→

Worker 04

Build profile

- Digital skill passport
- Skills and experience
- Training records

→

Employer 05

Discover talent

- Search by skill
- Download profile PDF
- Leave a reference

Running throughout

IFQM verifies every profile, records consent against the current terms, and moderates employer references

One platform. Verified workers, credentials in one place, and employers who can find them.

High-Level System Architecture

Indian Foundation for Quality Management

Skilswapr – Skill Employment Platform

High Level Architecture

Frontend
React – responsive, role-based UI

Backend / API
Node.js + Express REST server

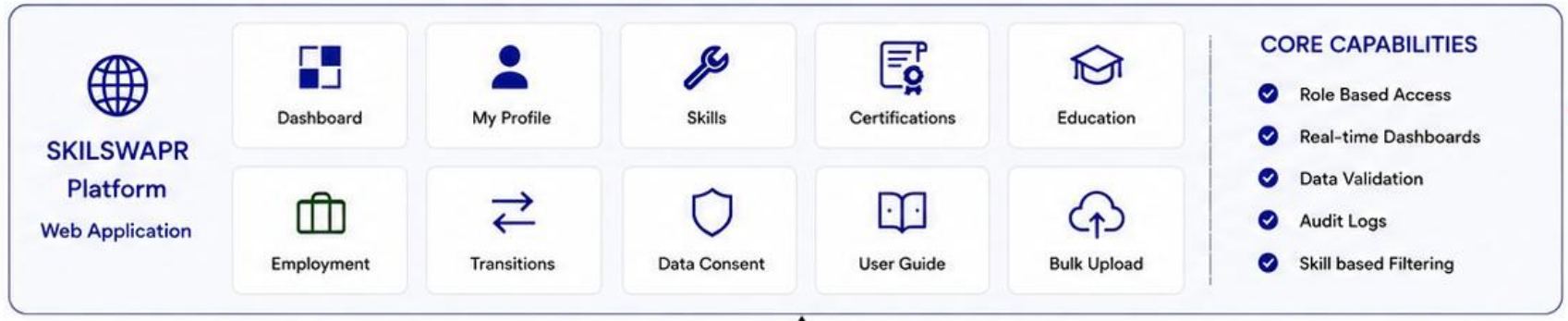
Database
PostgreSQL (Supabase) with RLS

Hosting
Hostinger Cloud
99.9%+ uptime

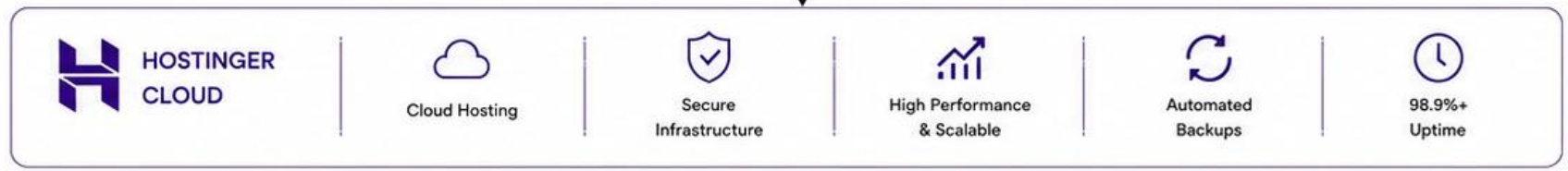
Security
HTTPS/SSL, JWT
Multi-tenant



HTTPS (SSL Secured)



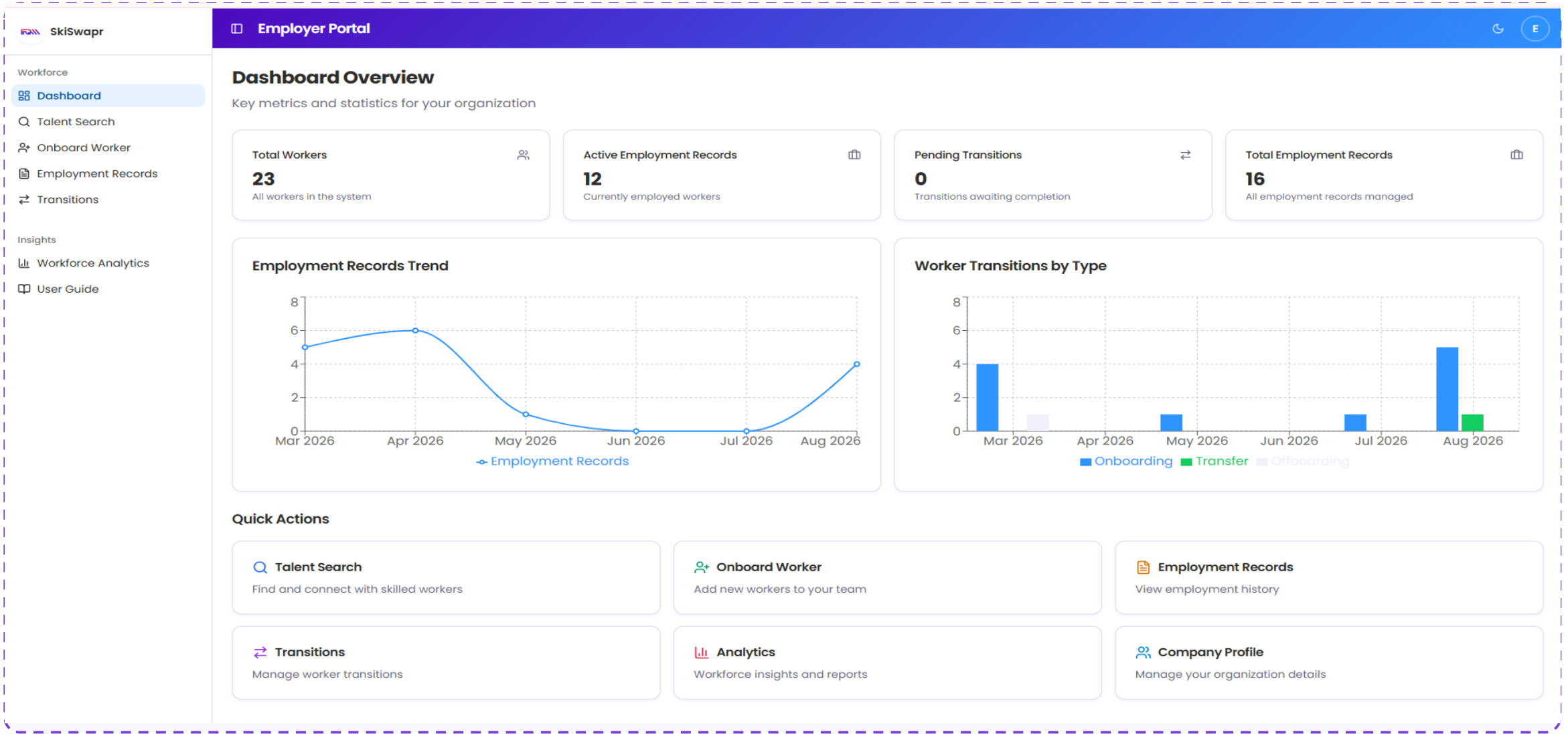




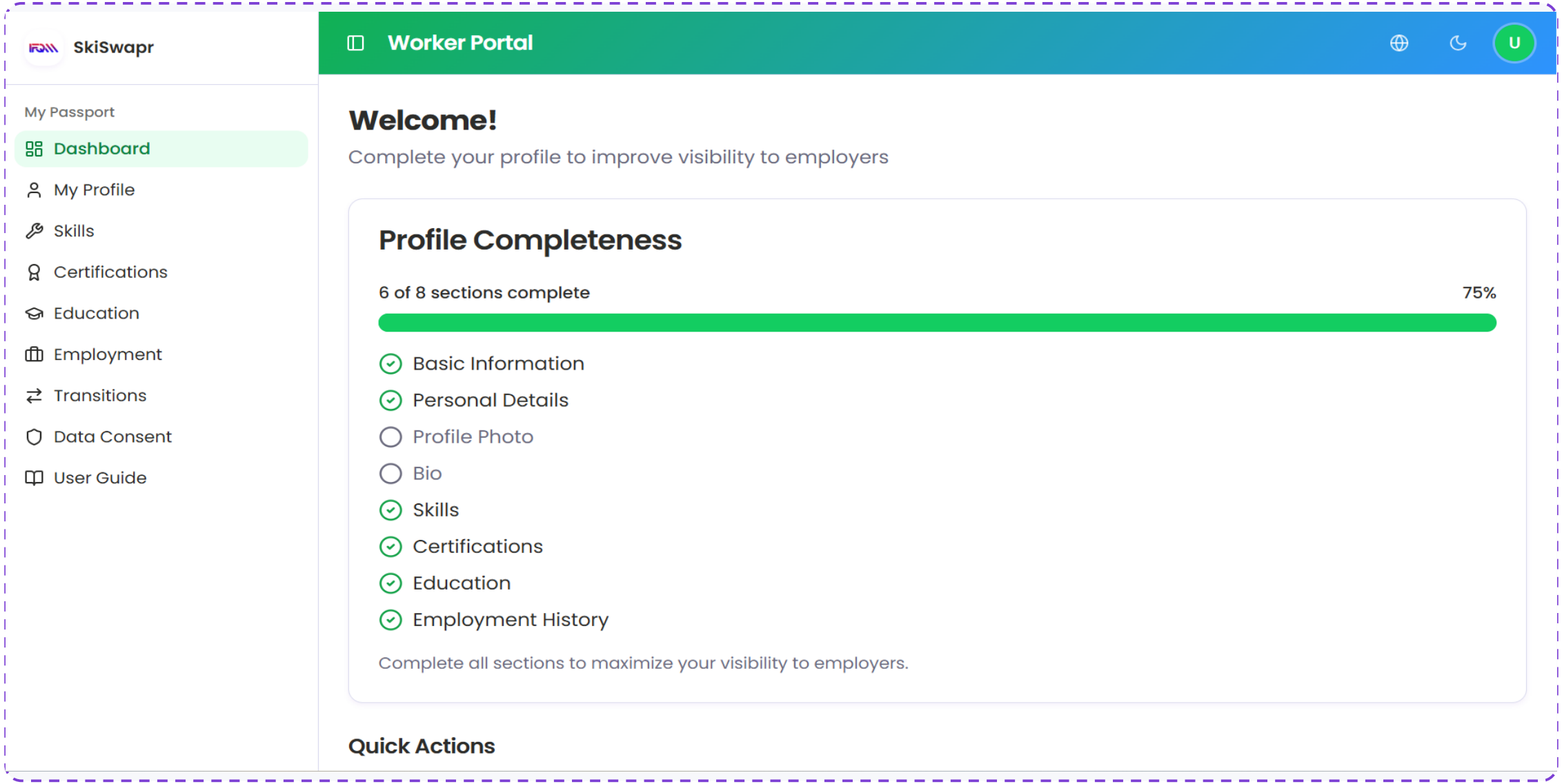


Data Flow
External Connection
Database Connection

The platform - Employer



The platform - Worker



Indian Foundation For Quality Management

Thank You



Redefining Quality