# HR Frontend Suite - P&C Management Dashboard
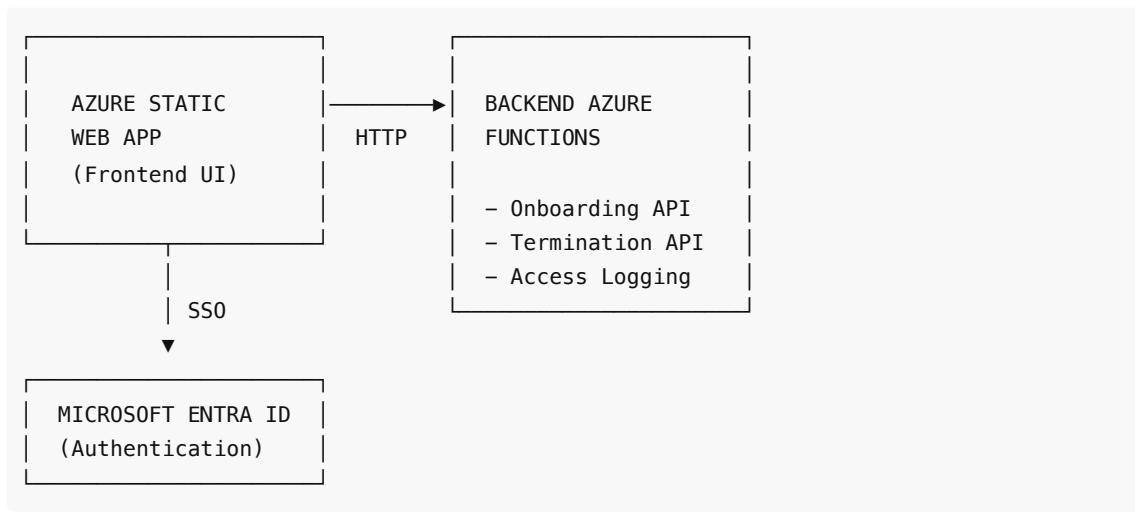
Executive Summary

The HR Frontend Suite is a **single-page web application** that provides a modern, user-friendly interface for HR/People & Culture teams to process employee **onboarding** and **termination** workflows. Built as an Azure Static Web App with Microsoft Entra ID authentication, it serves as the primary user interface for initiating employee lifecycle events that trigger backend automation.

Business Value

Benefit	Description
Simplified HR Operations	Clean, intuitive interface for common HR tasks
Enterprise Security	Microsoft Entra ID SSO ensures only authorized users can access
Audit Trail	All user actions logged to Azure Functions for compliance
Real-Time Processing	Immediate feedback on onboarding/termination submissions
Mobile Ready	Responsive design works on desktop and mobile devices

Architecture Overview

```
 ┌─────────────────┐        ┌─────────────────┐
 │                 │        │                 │
 │  AZURE STATIC   │───────▶│  BACKEND AZURE  │
 │  WEB APP        │  HTTP  │  FUNCTIONS      │
 │  (Frontend UI)  │        │                 │
 │                 │        │  ─ Onboarding API │
 └─────────────────┘        │  ─ Termination API │
          │                 │  ─ Access Logging │
          │ SSO             └─────────────────┘
          ▼
 ┌─────────────────┐
 │ MICROSOFT ENTRA ID │
 │ (Authentication)│
 └─────────────────┘
```

Features

Employee Onboarding Card

Purpose: Add new team members to the system

Field	Type	Notes
Company ID	Text (required)	Identifies the tenant

Client/Cost Center 1	Text (required)	Department assignment
Employment Type	Dropdown	RFT, TFT, H1/C2C, Unknown
First Name	Text (required)	Employee first name
Last Name	Text (required)	Employee last name
Work Email	Auto-generated	`firstname.lastname@catalystsolutions.com`

Features:

- Auto-generates email address as user types
- Loading spinner during submission
- Success/error feedback cards
- "Add Another Employee" reset functionality

Employee Termination Card

Purpose: Process employee departures

Field	Type	Notes
Company ID	Text (required)	Identifies the tenant
First Name	Text (required)	Employee first name
Last Name	Text (required)	Employee last name
Work Email	Text (required)	Employee email address

Features:
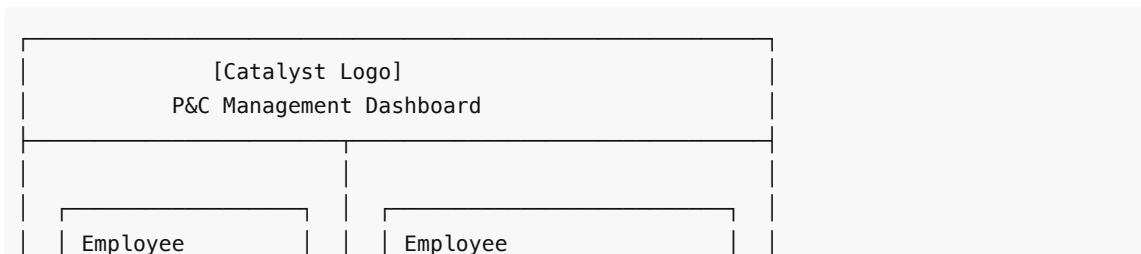
- Automatic termination date (current timestamp)
- Error handling with user feedback
- "Process Another" reset functionality

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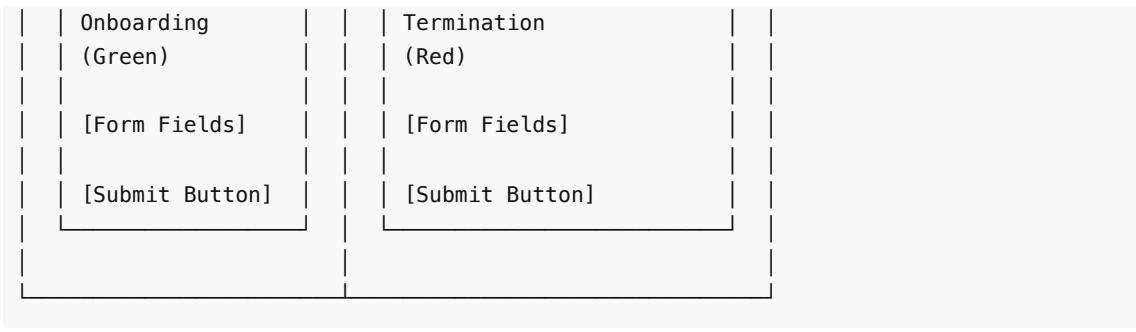
User Interface Design

Visual Design

- **Color Palette**: Catalyst brand green (#0AEF84), dark teal backgrounds
- **Typography**: Montserrat font family
- **Layout**: 2-column grid (desktop), single column (mobile)
- **Animations**: Smooth card expand/collapse, hover effects, loading spinners

Dashboard Layout

```
┌────────────────────────────────────────────┐
│            [Catalyst Logo]                 │
│         P&C Management Dashboard           │
├────────────────────────────────────────────┤
│                         │                  │
│                         │                  │
│  ┌──────────────────┐   │  ┌─────────────────────┐  │
│  │ Employee         │   │  │ Employee            │  │
```

```
|  |  Onboarding        |  |  |  Termination          |  |  |
|  |  (Green)           |  |  |  (Red)                |  |  |
|  |                    |  |  |                       |  |  |
|  |  [Form Fields]     |  |  |  [Form Fields]        |  |  |
|  |                    |  |  |                       |  |  |
|  |  [Submit Button]   |  |  |  [Submit Button]      |  |  |
|  |_____|  |  |_____|  |  |
|  |                       |                              |  |
|  |                       |                              |  |
|__|_____|_____|__|
```

Backend API Integrations

Onboarding Service

- **Endpoint**: `https://paylocity-onboarding-prod-westus3-func.azurewebsites.net/api/webhookhandler`
- **Method**: POST
- **Payload**: Company ID, cost center, employment type, name, email

Termination Service

- **Endpoint**: `https://paylocity-term-prod-westus3-func.azurewebsites.net/api/terminationhandler`
- **Method**: POST
- **Payload**: Company ID, name, email, termination date

Access Logging Service

- **Endpoint**: `/api/logAccess` (internal Azure Function)
- **Events Tracked**:
  - `page_view` - Dashboard loaded
  - `onboarding_submit` - Onboarding form submitted
  - `termination_submit` - Termination form submitted

Authentication & Security

Microsoft Entra ID Integration

- **Provider**: Azure Active Directory (OpenID Connect)
- **Tenant**: `d39a588a-b5a6-4378-9f5f-f9a0e5484b06`
- **Protected Routes**: All routes require authentication
- **Unauthenticated Redirect**: `/.auth/login/aad`
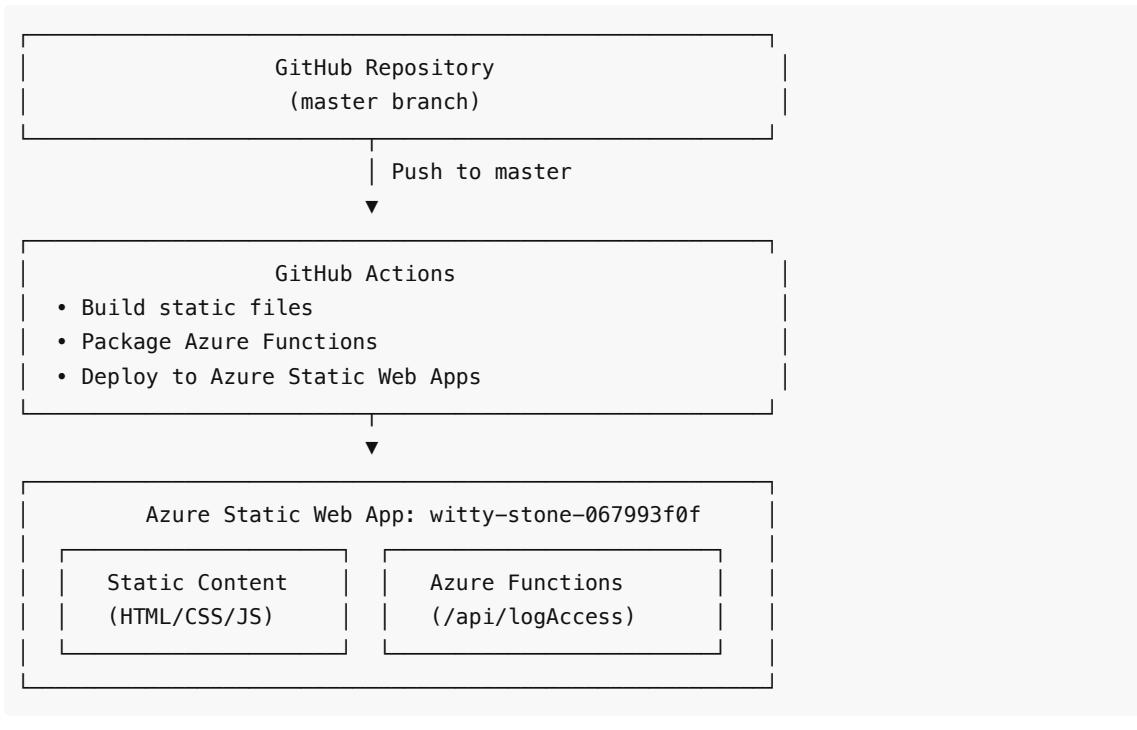
User Flow

1. User navigates to dashboard URL
2. Azure Static Web Apps checks authentication
3. If not authenticated, redirects to Entra ID login
4. User completes SSO login
5. Redirected back to dashboard with session established
6. User identity available via `x-ms-client-principal-name` header

Technical Stack

Component	Technology
Frontend	Vanilla HTML5, CSS3, JavaScript (no frameworks)
Styling	CSS Custom Properties, Flexbox, Grid
Fonts	Google Fonts (Montserrat)
Hosting	Azure Static Web Apps
Backend	Azure Functions (Node.js)
Authentication	Microsoft Entra ID
CI/CD	GitHub Actions

Deployment Architecture

```
┌─────────────────────────────────────────────────────┐
│                 GitHub Repository                     │
│                  (master branch)                      │
└─────────────────────────────────────────────────────┘
                    │ Push to master
                    ▼
┌─────────────────────────────────────────────────────┐
│                  GitHub Actions                       │
│  • Build static files                                 │
│  • Package Azure Functions                            │
│  • Deploy to Azure Static Web Apps                    │
└─────────────────────────────────────────────────────┘
                    ▼
┌─────────────────────────────────────────────────────┐
│     Azure Static Web App: witty-stone-067993f0f       │
│                                                       │
│   ┌─────────────────────┐   ┌─────────────────────┐  │
│   │   Static Content    │   │   Azure Functions   │  │
│   │   (HTML/CSS/JS)     │   │   (/api/logAccess)  │  │
│   └─────────────────────┘   └─────────────────────┘  │
└─────────────────────────────────────────────────────┘
```

Project Structure

```
hr-frontendsuite-combined/
├── index.html                      # Single-page application
├── favicon.ico                     # Catalyst logo favicon
├── Catalyst_logo_bright_green.png  # Header logo
├── staticwebapp.config.json        # Azure SWA + auth config
├── api/
│   ├── host.json                   # Functions runtime config
```

```
│   ├── package.json                # Node.js dependencies
│   └── logAccess/
│       ├── function.json           # Function binding
│       └── index.js                # Access logging handler
└── .github/workflows/
    └── azure-static-web-apps-*.yml # CI/CD pipeline
```

User Workflows

Onboarding an Employee

1. Log in via Microsoft Entra ID SSO
2. Click "Employee Onboarding" card to expand
3. Enter company ID and cost center
4. Select employment type from dropdown
5. Enter employee first and last name
6. Email auto-generates (editable if needed)
7. Click "Submit Onboarding"
8. View success confirmation
9. Click "Add Another Employee" to repeat

Terminating an Employee

1. Click "Employee Termination" card to expand
2. Enter company ID
3. Enter employee first name, last name, and email
4. Click "Submit Termination"
5. View success confirmation
6. Click "Process Another" to repeat

Summary

The HR Frontend Suite provides a streamlined, secure interface for HR teams to manage employee lifecycle events. Its simple architecture (vanilla HTML/CSS/JS) ensures fast loading and easy maintenance, while Azure Static Web Apps provides enterprise-grade hosting with built-in authentication. The dashboard connects seamlessly to backend Azure Functions that handle the actual provisioning and deprovisioning in Paylocity and Microsoft Entra ID.

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