

Empowering Your Workforce, Transforming HR

A Modern HR Management System on AWS

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The Problem: HR Challenges Holding You Back



Manual Processes

Time-consuming and prone to errors



Data Silos

Fragmented information causing reporting nightmares



Compliance Risks

Limited insights affecting governance



Poor Employee Experience

Lack of transparency and accessibility

A Single Source of Truth for HR

Centralized Platform

Streamlines core HR functions across departments

Workflow Automation

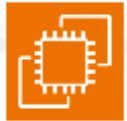
Reduces manual work and increases accuracy

User Empowerment

Improves transparency for HR teams and employees



AWS Services Used in HRMS



EC2 – Elastic Compute Cloud

Provides virtual servers to host the application files(HTML, CSS, JavaScript).



DynamoDB

Stores and retrieves structured data, such as employee information, leave requests, and performance reviews.



S3 – Simple Storage Service

Upload and fetch Documents.



IAM Roles

Securely manages access to AWS services



Lambda

Granular access control to protect resources

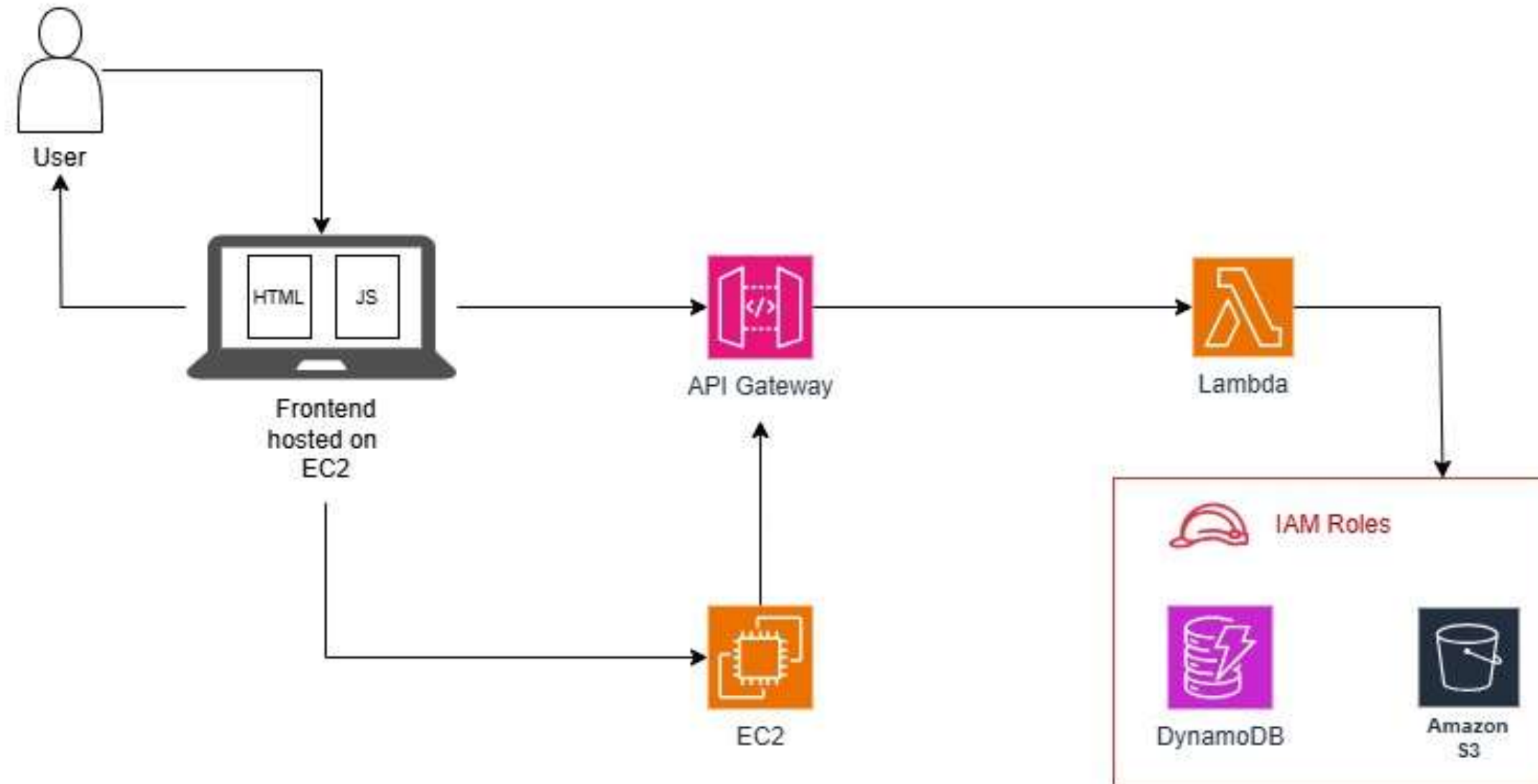


API Gateway

Granular access control to protect resources

Built for Scalability and Efficiency on AWS

The architecture enables elastic scaling and efficient data handling via serverless components.



How the System Works: A Seamless Flow

This system enables smooth interaction by routing user requests through API Gateway and processing them with AWS Lambda, with data managed in DynamoDB.

1. User interacts with HRMS frontend
2. API Gateway routes requests
3. AWS Lambda processes logic
4. DynamoDB stores and retrieves data
5. S3 for uploading or fetching employee documents
6. Responses returned through API Gateway

Core Modules for HR Excellence

HRMS Dashboard - F13 Technologies

Home Leave Request Attendance Performance Documents

Employee Information

Full Name

Employee ID

Department

Position

Email Address

Employee Management



HR Management Dashboard

Employee Info Leave Requests Attendance Performance Documents

Employee Information

Name	Employee ID	Email	Department
John Doe	bee80da3-4ed4-4867-b4b1-b3c38f27d8ef	john.john@example.com	HR
Suraj	a101c90-9d23-43c4-9d12-706641c1779d	suraj@example.com	Software
Gaurav	3b6e1128-18a7-4f94-b05d-3e1980b2a598	Gaurav@example.com	Software
Utsav	6d7cbc94-8bcb-458a-b3a5-68105b529a59	Utsav@example.com	Engineering
Yashraj	a9b11bd5-8ae8-45b2-9e11-5875477ca564	yashraj@gmail.com	HR
Test User	6f7be3b-3026-4d8f-b2d6-57b8c2ba9598	test@example.com	QA
Kartick	5b498b8f-e8b8-4cee-95d4-d501e42531e9	kartick@example.com	Software

HRMS Dashboard - F13 Technologies

Home Leave Request Attendance Performance Documents

Leave Request

Employee ID

Start Date

End Date

Reason for leave

Leave Requests



HR Management Dashboard

Employee Info Leave Requests Attendance Performance Documents

Leave Requests

Employee ID	Start Date	End Date	Reason
3b6e1128-18a7-4f94-b05d-3e1980b2a598	2025-04-20	2025-04-22	Vacation
5b498b8f-e8b8-4cee-95d4-d501e42531e9	2025-04-25	2025-04-25	Sick Leave

Core Modules for HR Excellence

HRMS Panel - F13

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HRMS Dashboard - F13 Technologies

HomeLeave RequestAttendancePerformanceDocuments

Attendance Tracker

Employee ID

Employee ID

Date

dd-mm-yyyy

Select Status

Select Status

Update Attendance

Attendance Management



HR Dashboard - F13 HRMS

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HR Management Dashboard

Employee InfoLeave RequestsAttendancePerformanceDocuments

Attendance Records

Employee ID	Date	Status
b5a80da3-4ed4-4887-b4b1-b3c38d27dbef	2025-04-17	Present
3b6e1128-18a7-4894-b05d-3e1808b2a598	2025-04-17	Absent
a101cd9d-9623-43c4-9812-788841c1779d	2025-04-17	Present
8d7cbc94-8bcb-459a-b3a5-88105b529a99	2025-04-17	Absent
a8ef1bc5-8aeb-45b2-9e1f-5875477ca564	2025-04-17	Absent
9f7be3b-3028-4d8f-b2d5-57b6c2ba9698	2025-04-17	Present
5b498b9f-e8b8-4c9e-85d4-d591e42531e9	2025-04-17	Present

HRMS Panel - F13

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HRMS Dashboard - F13 Technologies

HomeLeave RequestAttendancePerformanceDocuments

Performance Evaluation

Employee ID

Employee ID

Performance Notes

Performance Notes

Submit Evaluation

Performance Evaluation



HR Dashboard - F13 HRMS

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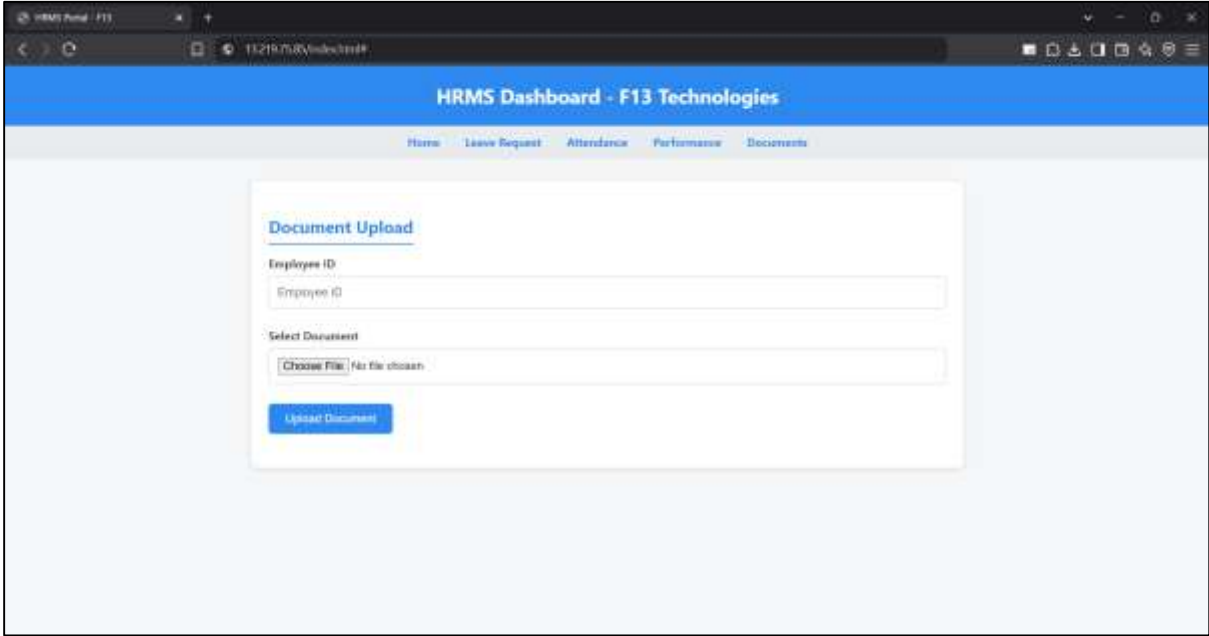
HR Management Dashboard

Employee InfoLeave RequestsAttendancePerformanceDocuments

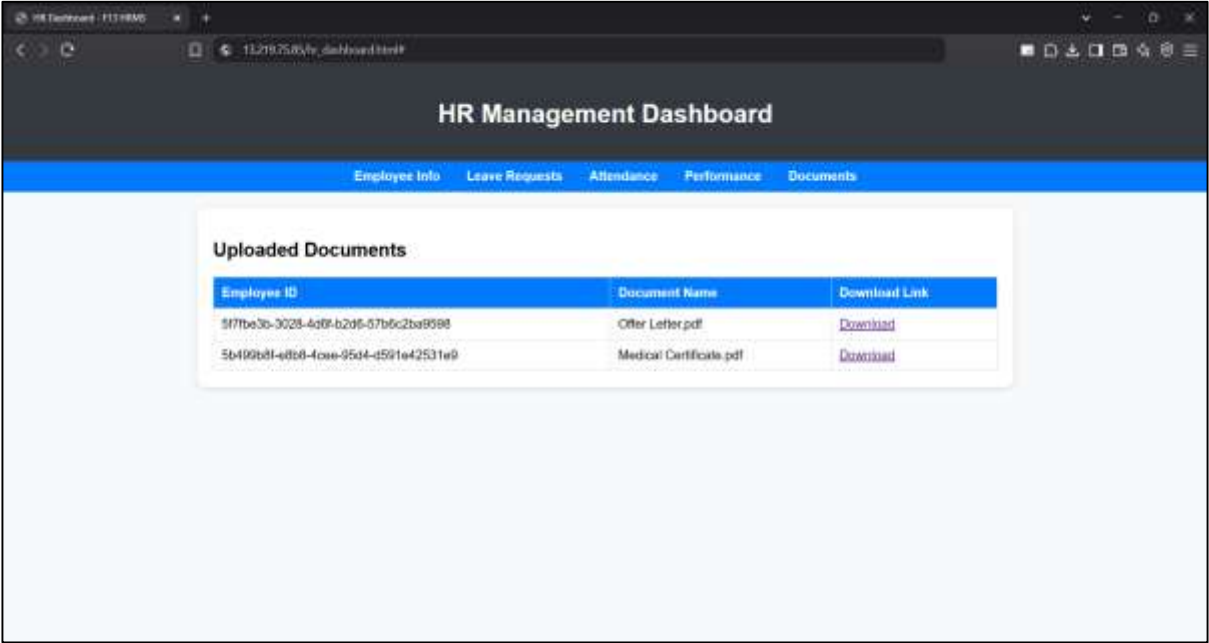
Performance Records

Employee ID	Notes
a101cd9d-9623-43c4-9812-788841c1779d	Exceeded Deadlines
9f7be3b-3028-4d8f-b2d5-57b6c2ba9698	Needs improvement in task management.

Core Modules for HR Excellence



Document Management



Why AWS? Unlocking Key Benefits



Scalability

Adapts to your growing workforce



High Availability

Ensures 24/7 system uptime



Cost-Efficiency

Pay-as-you-go model saves money



Security

Robust protection of sensitive data



Broad Service Offering

Over 200+ services including

Ensuring Data Security and Compliance



IAM Roles

Granular access control to protect resources



Web Application Firewall

A shield that protects the HR system from common online attacks.



Input Validation

Prevents malicious data and enhances system integrity



Conclusion

Our HRMS on AWS delivers enhanced efficiency, robust security, and seamless support for your HR team.

Embrace this transformation to streamline HR processes, fueling your organization's growth and innovation.



Thank You

