

PeoplePlus

Team BlueHats

Manmeet Singh

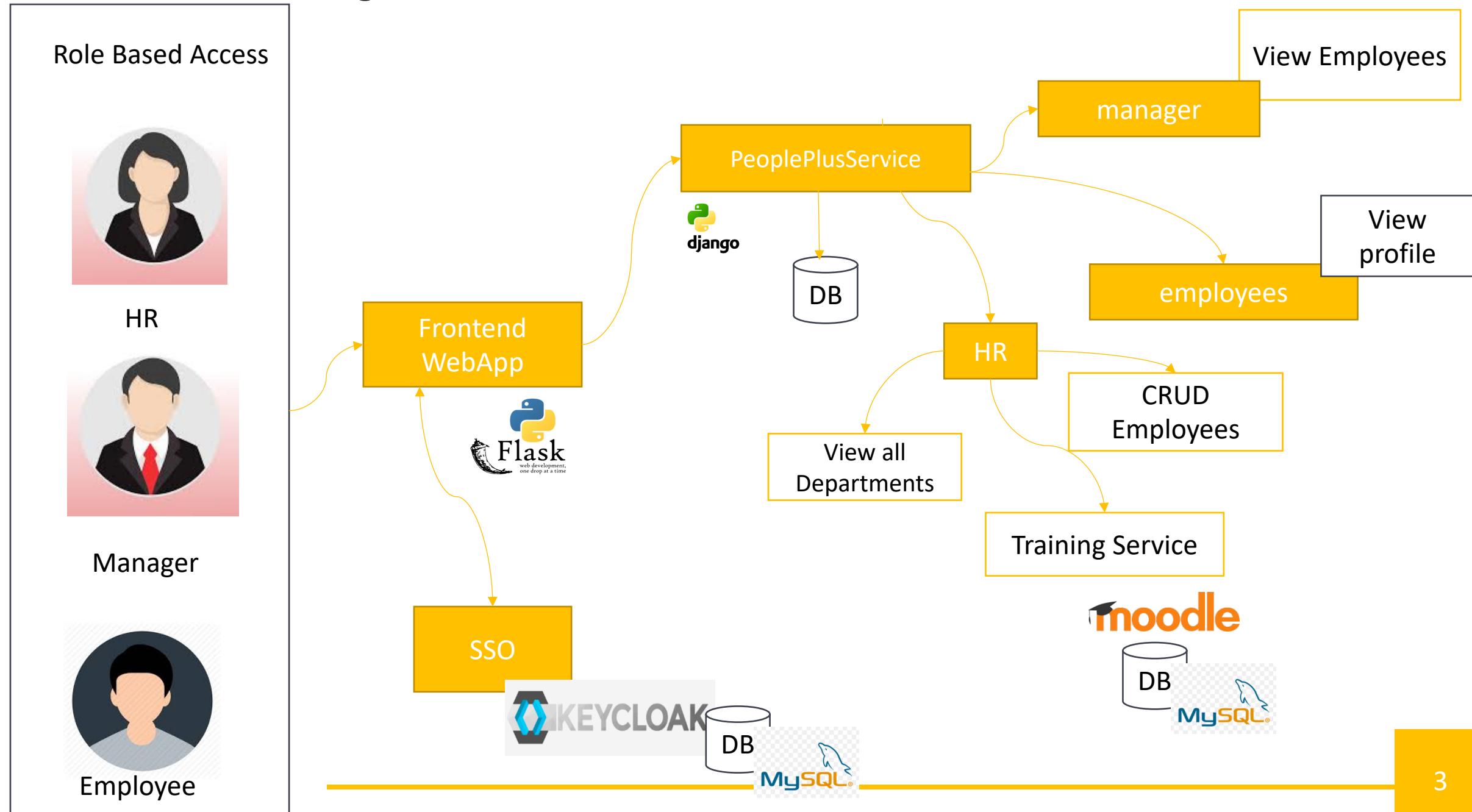
Jeyasri Subramanian

Subarna Chowdhury Soma

Key Achievements

- 3 Different User Roles: HR Specialist, Manager, Employee
- Open Source Integration:
 - [Moodle \(LMS\)](#) : [Moodle_37_github](#)
 - [KeyCloak](#) : [Keycloak_github](#)
 - [Jenkins](#)
- SSO : KeyCloak
- Every module runs in different EC2 instance
- Deployment on AWS
- Test Cases

High-level Architecture



User Roles

Manager

- View all employees who belong to his department
- Can view employee's details such as salary, title, hire date

HR Specialist

- Can view all departments
- Can view all employees in all departments
- Can terminate an employee
- Can edit the employee on title and salary
- Create and can assign courses
- Has all Site Administration access

Employee

- View employee information

Role: HR



Hello Bluehats

Let's Get Started

[View your profile](#)

[Learning Module](#)

Departments Logout Hi, Bluehats User!

PeoplePlus Departments Logout Hi, Bluehats User!

Departments

ID Number	Name	Employee Count
D001	Customer Service	7589
D005	Development	8585
D002	Finance	12433
D003	Human Resources	12498
D004	Marketing	34843
D008	Production	53220
D006	Quality Management	34546
D007	Research	15441
D009	Sales	37699

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Create Employee

« 1 2 3 4 5 ... 2046 2047 »

Employees

Name	Gender	Salary	Title	Department	Manager
Jeyasti Subramonian	F	88958	Engineer	Development	DeForest Hagimont
Patrício Bridgland	M	54423	Senior Engineer	Development	DeForest Hagimont
Berni Genin	M	60598	Staff	Development	DeForest Hagimont
Shahaf Famili	M	41548	Engineer	Development	DeForest Hagimont
Bojan Montemayor	F	50113	Engineer	Development	DeForest Hagimont
Diver Reistad	F	46145	Senior Engineer	Development	DeForest Hagimont
Karsten Joslin	M	56689	Senior Engineer	Development	DeForest Hagimont
Pradeep Makrucki	M	60574	Senior Engineer	Development	DeForest Hagimont
Yishay Tzivelli	M	77659	Senior Engineer	Development	DeForest Hagimont
Brendon Bernini	F	74722	Senior Engineer	Development	DeForest Hagimont
Ebbe Callaway	F	68601	Senior Engineer	Development	DeForest Hagimont
Anoush Peyn	M	68559	Senior Engineer	Development	DeForest Hagimont
Satosi Awdeh	M	47437	Engineer	Development	DeForest Hagimont
Kwee Schusler	M	103672	Senior Engineer	Development	DeForest Hagimont
Hironobu Sibou	F	64512	Senior Engineer	Development	DeForest Hagimont
Makhtar Bernatsky	F	80820	Technique Leader	Development	DeForest Hagimont
Erez Ritzmann	F	62921	Senior Engineer	Development	DeForest Hagimont
Daniel Mondadori	F	54652	Engineer	Development	DeForest Hagimont
Kshitij Gils	F	67231	Technique Leader	Development	DeForest Hagimont
Amabile Gomatom	M	60014	Senior Engineer	Development	DeForest Hagimont
Valdiodio Nilzuma	F	66603	Engineer	Development	DeForest Hagimont
Aleemi Birch	M	80061	Engineer	Development	DeForest Hagimont
Zhonghui Zyda	F	55284	Senior Engineer	Development	DeForest Hagimont
Suoxiang Ramsay	M	66634	Senior Engineer	Development	DeForest Hagimont
Ohad Esposito	M	48464	Technique Leader	Development	DeForest Hagimont

peopleplusmoodle

Customise this page

Dashboard

Site home

Calendar

Private files

Site administration

Recently accessed courses



No recent courses

Course overview

All (except hidden) ▾

Course name ▾

Card ▾



No courses

Show

12 ▾

Timeline



No upcoming activities due

Private files

No files available

Manage private files...

Online users

1 online user (last 5 minutes)

hrFirst hrLast



Not secure | 18.225.11.231/moodle/admin/search.php

GHC 2015 Submiss... Is JavaScript interpr... .StdY Office Other MSDN Subscriber D... Sign Up - Microsoft... Trip planning queri... McAfee Web Gatew... GeeksforGeeks | A c... Other bookmarks

peopleplusmoodle

Dashboard Site home Calendar Private files Site administration

PeoplePlusMoodle

Dashboard / Site administration / Search

Blocks editing on

Site administration

Site administration Users Courses Grades Plugins Reports

[Analytics](#) [Analytics models](#)

[Competencies](#) [Migrate frameworks](#)
[Import competency framework](#)
[Export competency framework](#)
[Competency frameworks](#)
[Learning plan templates](#)

[Badges](#) [Badges settings](#)
[Manage badges](#)
[Add a new badge](#)
[Backpack settings](#)
[Manage backpacks](#)

Role: Manager

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Employee Logout Hi, Subarna Chowdhury!

Hello Subarna

Let's Get Started

[View your profile](#)

[Learning Module](#)



PeoplePlus Employee Logout Hi, Subarna Chowdhury!

Employees

« 1 2 3 4 5 - 585 586 »

Name	Gender	Salary	Title	Department	Manager
Jungsoon Syuzicki	F	98003	Senior Staff	Customer Service	Tonny Butterworth
Yukihiro Swick	F	61070	Staff	Customer Service	Tonny Butterworth
Kayoko Vatsorta	M	77310	Senior Staff	Customer Service	Tonny Butterworth
Babette Lamba	F	67691	Senior Staff	Customer Service	Tonny Butterworth
Maren Hutton	M	67794	Senior Staff	Customer Service	Tonny Butterworth
Abdullah Thibodeau	F	50766	Staff	Customer Service	Tonny Butterworth
Jogoda Brzunuhuh	F	72495	Senior Engineer	Customer Service	Tonny Butterworth
Brendon Lenart	F	71610	Senior Staff	Customer Service	Tonny Butterworth
Mechthild Bonifati	M	51975	Staff	Customer Service	Tonny Butterworth
Mihalis Lowrie	M	57547	Staff	Customer Service	Tonny Butterworth
Yuping Alpin	M	42619	Senior Staff	Customer Service	Tonny Butterworth
Jackson Kokked	M	50786	Staff	Customer Service	Tonny Butterworth
Kellie Chinen	F	49969	Staff	Customer Service	Tonny Butterworth
Shaowen Desikan	F	43682	Staff	Customer Service	Tonny Butterworth

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Employee Logout Hi, Subarna Chowdhury!

Employees

Employee number	Name	Hire date	Date of Birth	Gender	Title	Salary	Department	Manager
10088	Jungsoon Syuzicki	1988-09-02	1954-02-25	F	Senior Staff	98003	Sales	Przemyslawa Koeblina

peopleplusmoodle: Administration

Not secure | 18.225.11.231/moodle/admin/search.php

Apps GHC 2015 Submiss... Is JavaScript interpr... .StdY Office Other MSDN Subscriber D... Sign Up - Microsoft... Trip planning queri... McAfee Web Gatew... GeeksforGeeks | A c... Other bookmarks

peopleplusmoodle ManagerOne MyLastName

Dashboard Site home Calendar Private files My courses ML ESP Site administration

PeoplePlusMoodle

Dashboard / Site administration / Search

Site administration

Site administration Users

Courses Manage courses and categories

You are logged in as ManagerOne MyLastName (Log out)
[Home](#)
[Data retention summary](#)

This page is: General type: admin. Context System (context id 1). Page type admin-search.

A screenshot of a web browser showing the Moodle site administration search interface. The URL is 18.225.11.231/moodle/admin/search.php. The page title is "PeoplePlusMoodle". The left sidebar contains links for Dashboard, Site home, Calendar, Private files, My courses, ML, ESP, and Site administration. The main content area shows the "Site administration" section with tabs for "Site administration" and "Users", and a "Courses" link. At the bottom, a dark footer bar displays the user information "You are logged in as ManagerOne MyLastName (Log out)" and links to "Home" and "Data retention summary". The status bar at the bottom of the browser window shows the context information "General type: admin. Context System (context id 1). Page type admin-search.".

Role: Employee

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Profile Logout Hi, Jeyasri Subramanian!



Hello Jeyasri

Let's Get Started

[View your profile](#)

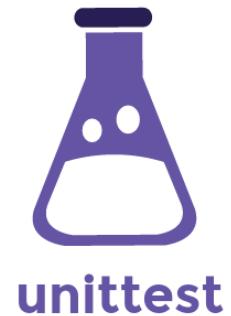
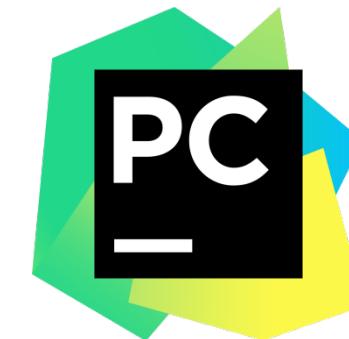
[Learning Module](#)

PeoplePlus

Profile Logout Hi, Jeyasri Subramanian!

Employees					
Employee number	Name	Hire date	Date of Birth	Gender	Title
10001	Jeyasri Subramanian	2019-11-07	1990-01-01	F	Engineer

Tools and Deployment



DEMO

Resource Groups

subarna_sjsu Ohio Support

Launch Instance Connect Actions

Filter by tags and attributes or search by keyword

1 to 2 of 2

Name	Instance ID	Instance Type	Availability Zone	Instance Status	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP
Moodle Server	i-0a2ad5e7801c52f0b	t2.micro	us-east-2c	running	1/2 checks passed	None	ec2-18-225-11-231.us-east-2.compute.amazonaws.com	18.225.11.231
Security-PKI	i-029247766279285...	t2.micro	us-east-2b	running	2/2 checks passed	None	ec2-3-135-1-212.us-east-2.compute.amazonaws.com	3.135.1.212

Instance: i-0a2ad5e7801c52f0b (Moodle Server) Public DNS: ec2-18-225-11-231.us-east-2.compute.amazonaws.com

Description Status Checks Monitoring Tags

Status checks detect problems that may impair this instance from running your applications. [Learn more about status checks.](#)

Create Status Check Alarm

System Status Checks ⓘ

These checks monitor the AWS systems required to use this instance and ensure they are functioning properly.

System reachability check passed

Additional Resources

[Submit feedback](#) if our checks do not reflect your experience with this instance or if they do not detect the issues you are having.

Instance Status Checks ⓘ

These checks monitor your software and network configuration for this instance.

Instance reachability check failed at December 6, 2019 at 2:57:00 PM UTC-8 (33 minutes ago)

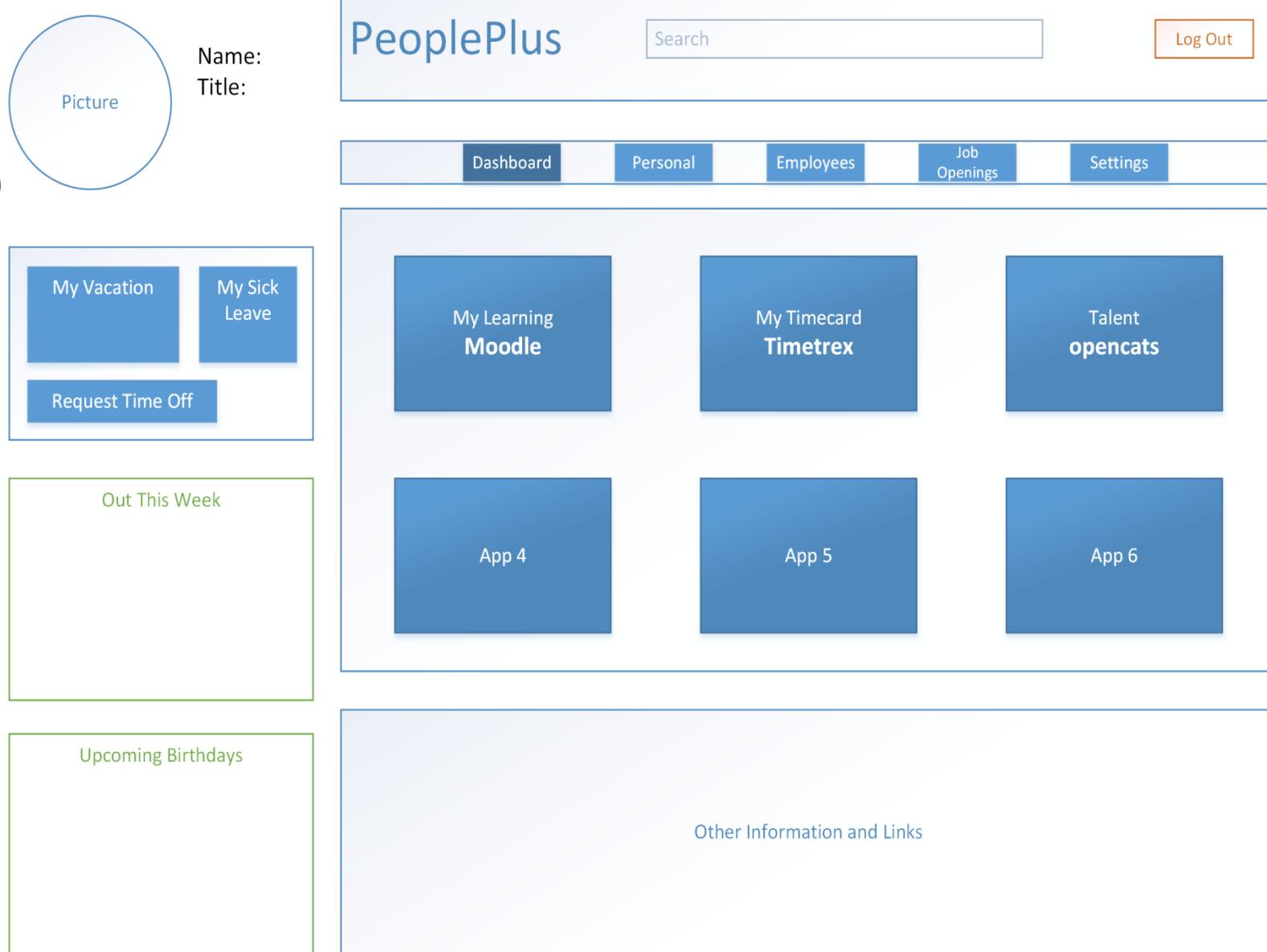
[Learn more about this issue](#)

THANKS



Dashboard Layo

- Personalized information in left panel
- Control menu in the top navigation bar
- Application Menu in the middle
- Other resources and contact information at the bottom



Key Achievements

- A Human Resources Management Platform
- Improve working efficiency in an organization of any size
- 3 User Roles: HR Specialist, Manager, Employee
- Open Source Integration:
 - - Moodle (LMS) : Moodle 37 github
 - - KeyCloak : Keycloak github
- SSO : KeyCloak
- Deployment on AWS

User Roles

Manager

- View HR information for any employees falling under their organization matrix.
- Request for an employee to be hired/terminated,
- Give feedback on employee evaluation
- Assign new training to their employees
- Request for new positions to be opened up within their organization.

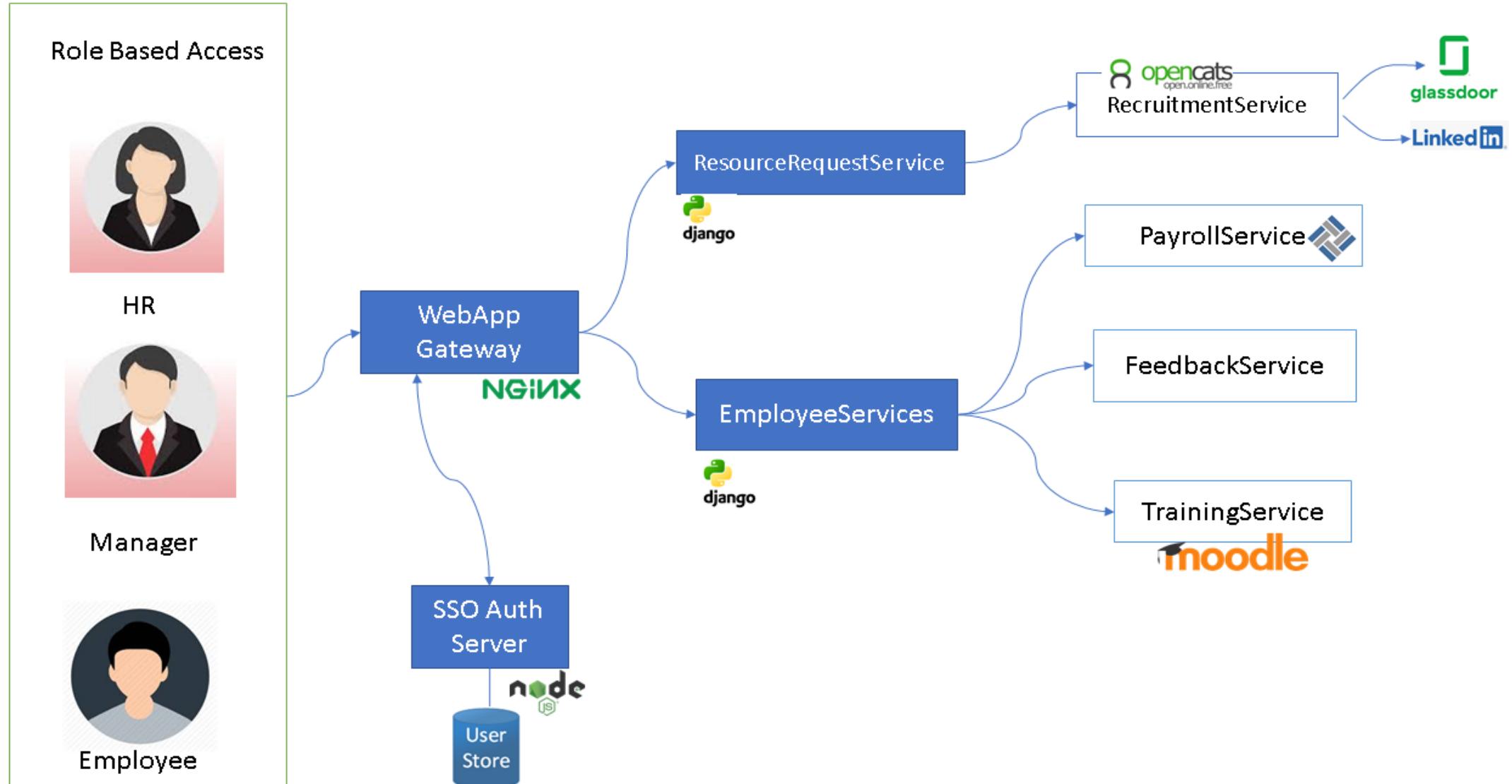
HR Specialist

- Approve or deny any action initiated by a Manager,
- Cannot initiate new actions outside their privilege level.

Employee

- View yearly evaluation
- Complete assigned training
- View payroll information

High-level Architecture



Role Based Access



HR



Manager



Employee

