

MICHIGAN STATE
UNIVERSITY

Alpha Presentation Backstage's Back Alright

The Capstone Experience

Team Kohl's

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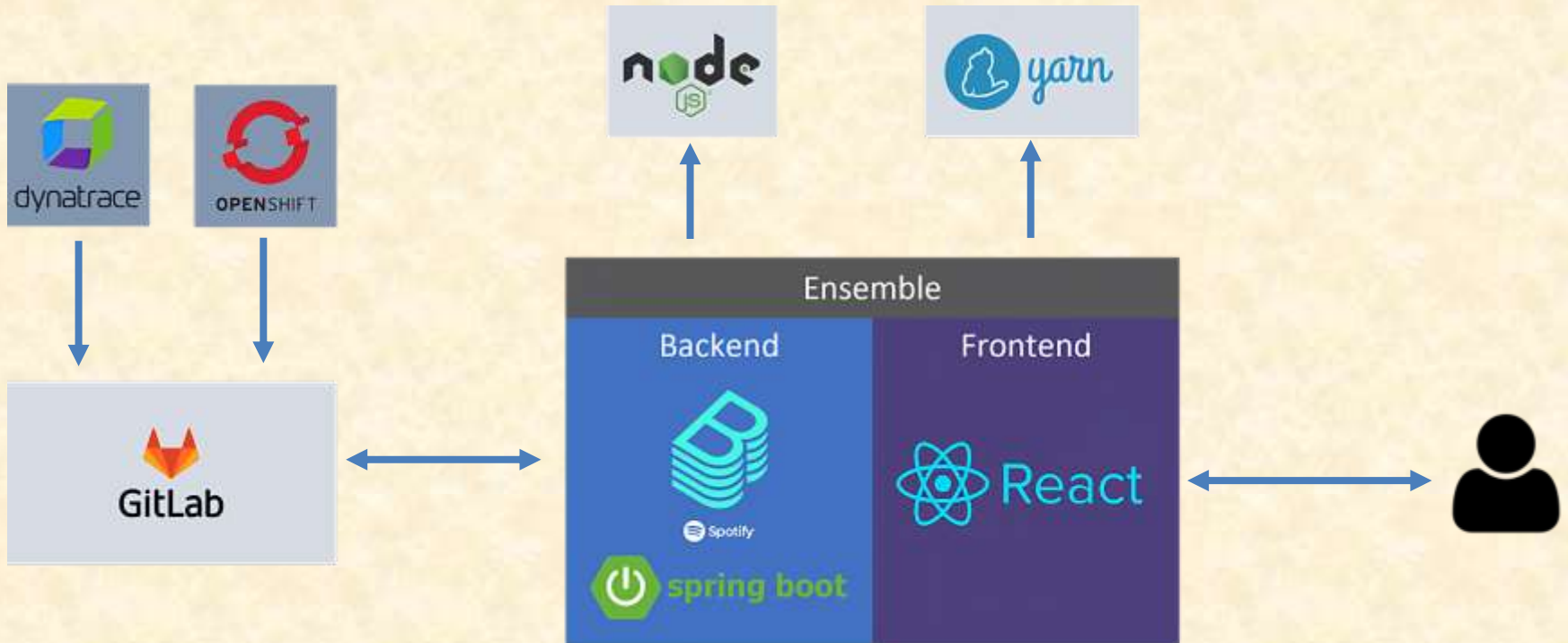


*From Students...
...to Professionals*

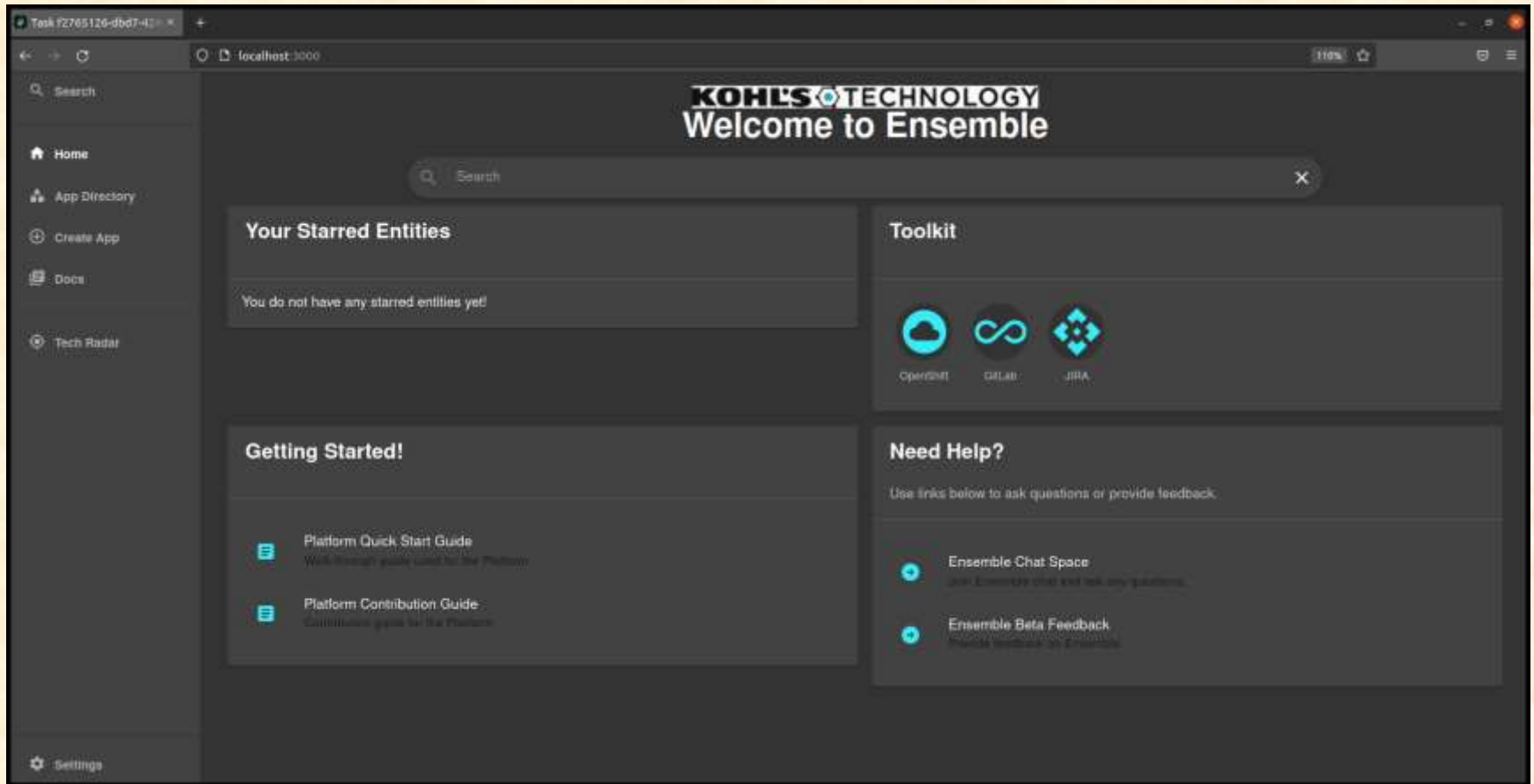
Project Overview

- Developer portal to improve efficiency and quality of life
- Eliminate slow runtime in behind-the-scenes tasks and improve logging of tasks
- Allow for quick and easy creation of new products, Spring Boot applications, and documentation—all from one place
- Improve front end and user interface

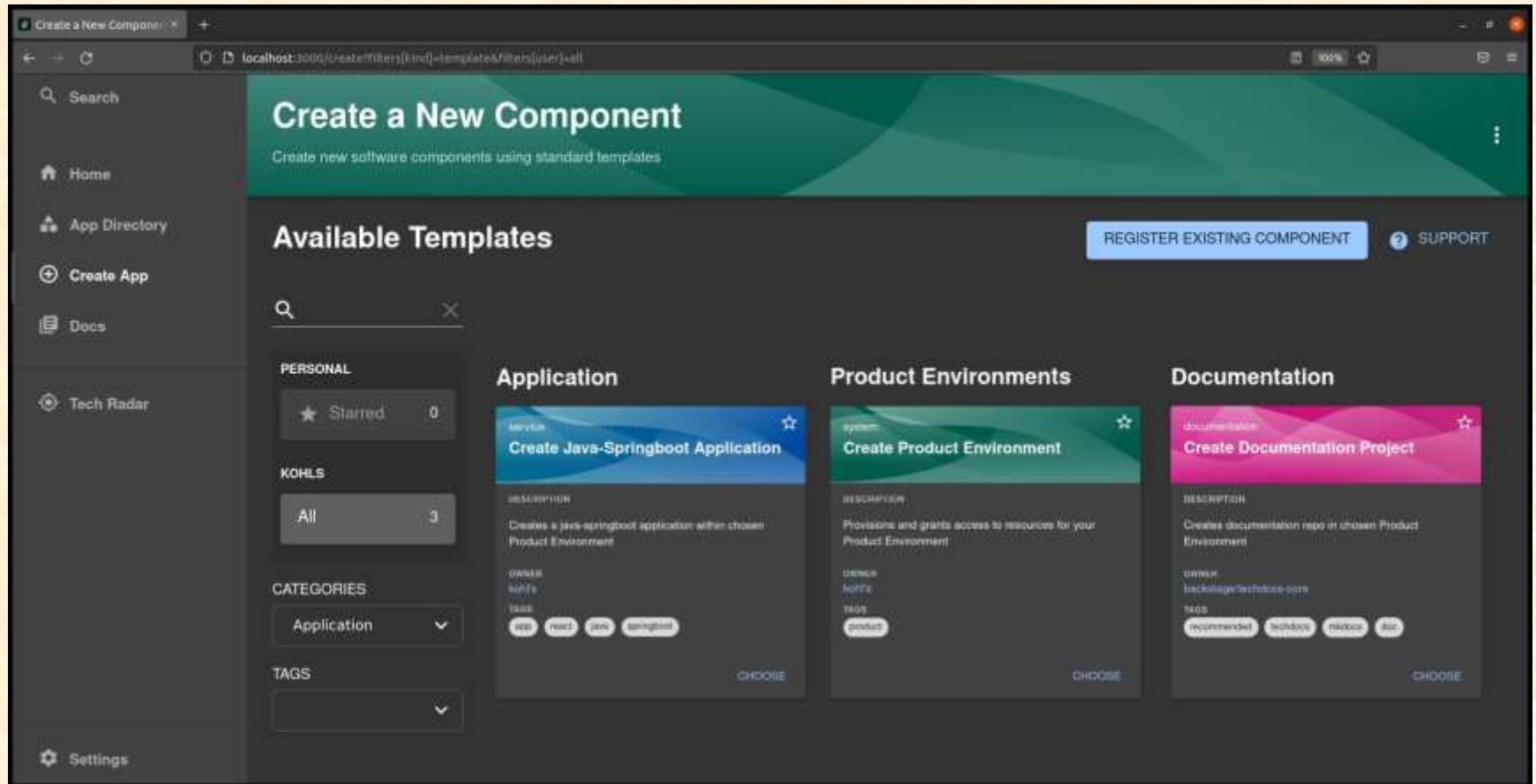
System Architecture



Home Page



Choosing Templates



Application Creation

Create a New Component

Create new software components using standard templates

Create Java-Springboot Application

Fill in some steps

Choose Product Environment *

Product Catalog List

Application Name *

Display name for Application

Description *

Description of the application. Values up to 100

Choose your database type

MySQL

Choose between MySQL, Postgres, or None (it)

Create Java-Springboot Application

Fill in some steps

Review and create

Cloud SQL	MySQL
Memorystore	Redis
App Name	Kohl's App
Description	Application Description
Product Slug	Product

BACK

RESET

CREATE



Task Activity Page

The screenshot displays the 'Task Activity' page. On the left is a dark sidebar with navigation links: Search, Home, App Directory, Create App, Docs, Tech Radar, and Settings. The main content area has a green header with the title 'Task Activity' and a subtitle 'Activity for task: 5624d920-d9ca-4d3d-b71c-2e4f9705c92f'. Below the header, a list of tasks is shown, each with a green checkmark, a description, and a duration. The tasks are: 'Get Ensemble Base Url' (0 seconds), 'Generate Gitlab Product Slug' (0 seconds), 'Dynatrace Dashboard' (0 seconds), 'Fetch gitlab subgroup path', 'Fetch Product Config Template', 'Create Product Folder in Gitlab', 'Check if Product Config repository exists', and 'Publish Product Config repository to Gitlab'. The right side of the page shows a detailed log for the selected task, starting with 'Beginning step Dynatrace Dashboard' and followed by an error message: 'There was an issue with your request. Status code: 504 Response body: [{"message'.

Task Activity
Activity for task: 5624d920-d9ca-4d3d-b71c-2e4f9705c92f

Task	Duration
✓ Get Ensemble Base Url	0 seconds
✓ Generate Gitlab Product Slug	0 seconds
✓ Dynatrace Dashboard	0 seconds
✓ Fetch gitlab subgroup path	
✓ Fetch Product Config Template	
✓ Create Product Folder in Gitlab	
✓ Check if Product Config repository exists	
✓ Publish Product Config repository to Gitlab	

Log:

```
1 2022-10-10T02:21:58.000Z Beginning step Dynatrace Dashboard
2 2022-10-10T02:21:58.000Z info: Creating POST request with http:backstage:proxy scaffolder action against /api/
3 2022-10-10T02:21:58.000Z error: There was an issue with your request. Status code: 504 Response body: [{"message
4 2022-10-10T02:21:58.000Z Error: Unable to complete request
5   at http (/Users/guanshiyang/Desktop/ensemble-1/node_modules/@roadiehq/scaffolder-backend-module-http-reque
6   at processTicksAndRejections (node:internal/process/task_queues:96:5)
7   at async Object.handler (/Users/guanshiyang/Desktop/ensemble-1/node_modules/@roadiehq/scaffolder-backend-n
8   at async NunjucksWorkflowRunner.execute (/Users/guanshiyang/Desktop/ensemble-1/node_modules/@backstage/plu
9   at async TaskWorker.runOneTask (/Users/guanshiyang/Desktop/ensemble-1/node_modules/@backstage/plugin-scaff
10  at async /Users/guanshiyang/Desktop/ensemble-1/node_modules/@backstage/plugin-scaffolder-backend/dist/index
```



What's left to do?

- Finish all the remaining custom actions.
- Modify templates to accommodate new actions.
- Improve and expand Ensemble's front end.
- Implement functionality for the tech radar.

Questions?

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