

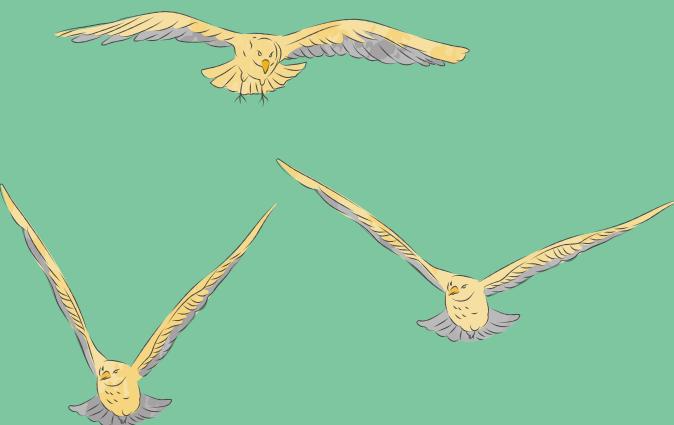


NatureHelm BIODIVERSITY DATA INTEGRATION AND ANALYTICS



GOAL

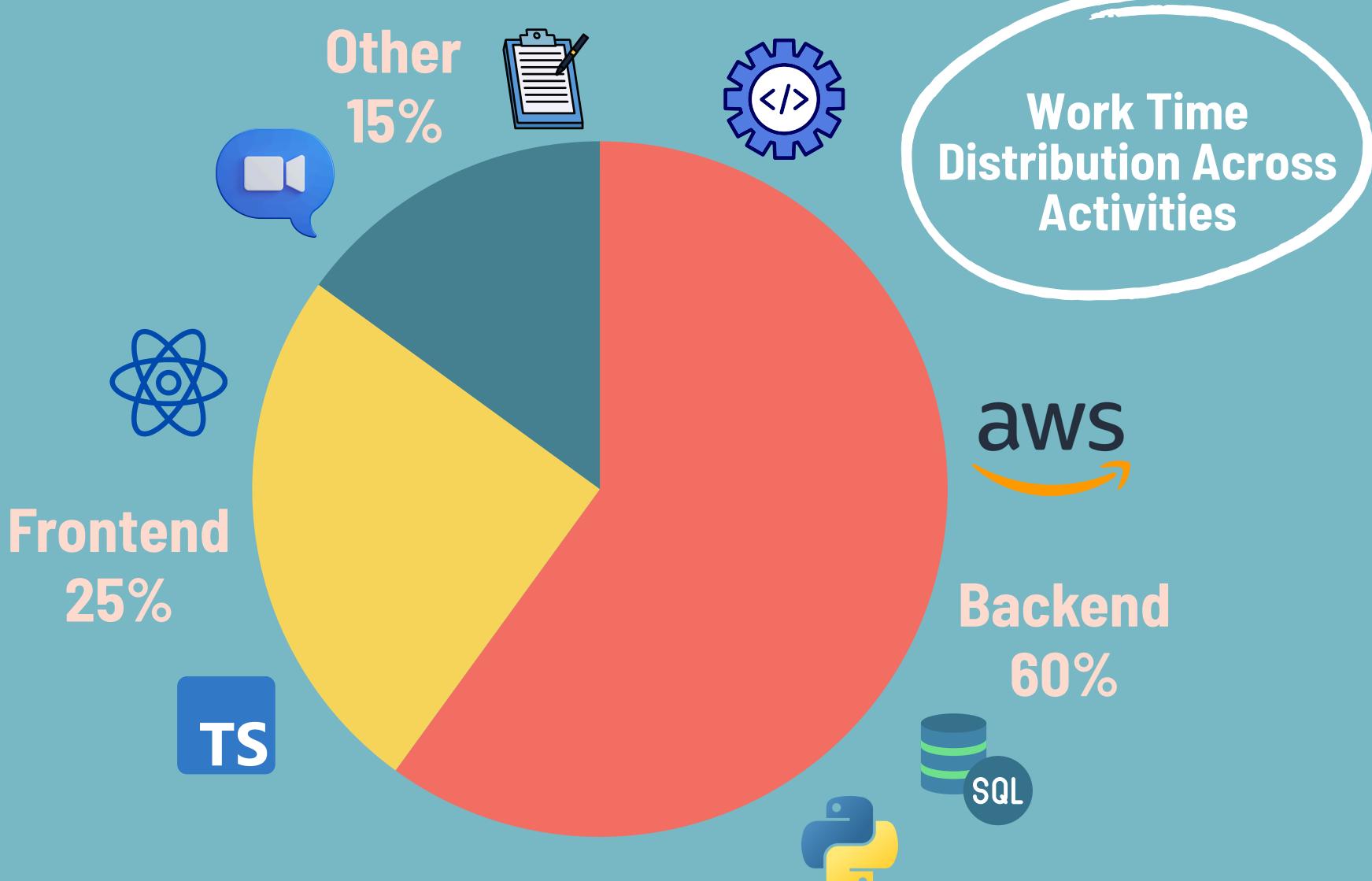
Main Aim of Platform: Empower businesses with **biodiversity insights** for informed, sustainable decisions through efficient data collection and analysis.



Project Goals

- 1 **Data Integration and Processing:** Assess, extract, and integrate vegetation data analytics into the platform.
- 2 **Visualization Development:** Create visualizations to help users interpret and utilize insights effectively.
- 3 **Platform Enhancement:** Expand platform capabilities to help businesses in meeting reporting requirements.

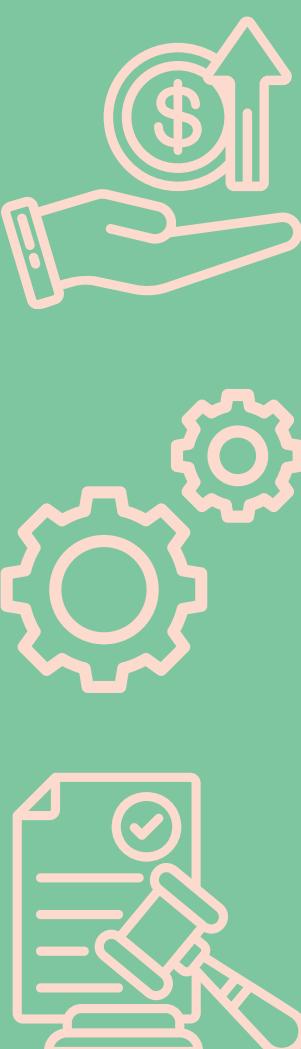
ACTIVITIES



STAKEHOLDERS



IMPACTS



This project **increases NatureHelm's product value** by integrating several advanced data analytics, which expands the platform's functionality and appeal.

The project **enhances functionality for users** by offering deeper biodiversity insights, improving decision-making and ensuring compliance with regulations.

This **aids government** compliance with biodiversity regulations and supports conservation through improved data reporting and insights for policy-making.

OUTCOMES

Biodiversity Scoring:

- Annotated with circles
- Provides a comparable score about property sustainability
- insights into species richness, threats, and habitat health

Delivered:

- 3 x Backend Development: algorithm, ELT (Extract-Load-Transform) process, AWS (Amazon Web Services) integration, Application Programming Interfaces (APIs), Soda Tests
- 2 x Frontend: Responsive user interface (UI) chart, Jest tests
- Huge performance optimization
- General testing and documentation

Vegetation + Ecoregions Data Analytics

- Interactive
- Shows land use, vegetation, water features, and precise classification at a glance
- Shows dominant ecological features

200+% More Delivered!

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Watch video
pitch



Visit
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Acknowledgement

Logos for NatureHelm, AWS, TypeScript, and Python sourced from official websites.

