



Front end Web Developer Intern

Role Description:

Develop user-facing components of the web-based palm oil monitoring dashboard including map visualization and UI interaction.

Key Responsibilities:

- Build responsive and interactive map dashboards (Leaflet, Mapbox)
- Implement filters, legends, and layer toggles
- Coordinate with UI/UX and back-end teams to ensure data integration
- Optimize UI performance for large-scale data rendering

Requirements:

- Bachelor's in Computer Science or related field
- Proficient in JavaScript, HTML/CSS, React or Vue.js
- Familiarity with WebGIS (Leaflet, Mapbox GL JS)
- Experience in data visualization and REST API integration

Scope of Service:

- Develop clean UI for displaying dynamic geospatial data
- Ensure cross-browser and mobile compatibility
- Implement user interaction and filtering tools

Detailed Tasks:

- B.2 Initial UI/UX implementation
 - Convert UI mockup design into React/Vue component form.
 - Create an initial dashboard with navigation panel structure, map viewer, filter, and data information.
- D.6 Dashboard & WebGIS interface
 - Build Leaflet or Mapbox GL JS based WebGIS viewer.
 - Implementation of layer navigation (layer tree), toggle visibility, info popup, and zoom control.
- D.7 Interactive map layer display
 - Integrate tiles from server or S3 to map viewer.
 - Add interactivity: click polygon, highlight, panning, drawing tools if needed.
- D.8 Admin Dashboard
 - User Management Module
 - Develop UI to add, edit, and delete user accounts (e.g., admin, company, farmer roles)
 - Implement role-based access control and user status (active/inactive)
 - Layer Upload Interface
 - Create a secure interface for uploading raster/vector map layers (e.g., GeoTIFF, GeoJSON)



- Display uploaded layer history with status and metadata (e.g., date, source)
- System Logs & Monitoring
 - Show system activity logs: user login, upload actions, error reports
 - Provide admin alerts for failed uploads, scheduled update issues, or API failures

Application Deadline by: 18 June 2025

Link for Submission of Information: <https://forms.gle/4VAG5Wj3deeqzwg98>

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Timeline

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