

Current Progress

- **Backend:** Skeleton backend implemented; foundational structure is in place.
- **EKS Cluster:** Initial cluster was functioning, but NAT Gateway failure required deletion to prevent costs. Worker nodes are confirmed connecting to the cluster. A new cluster is being provisioned.
- **Frontend:** Dedicated frontend branch created. Integration with backend in progress; first functional button pending.
- **Integration:** Backend-to-frontend connection underway.
- **Bedrock:** Endpoint successfully created for AI model access.
- **Website:** Initial website link shared with stakeholders.

In Progress / Needs

- **Dashboard Tasks:** Define and implement dashboard features.
- **Workflow Orchestration:** Step Functions under development (led by Liang).
- **Documentation:** Workflow creation and documentation required.
- **Cluster Reliability:** Re-establish and stabilize EKS cluster with working NAT.
- **Database:** DynamoDB setup and integration needed for persistence.

Next Steps

- Complete button functionality and connect frontend ↔ backend.
- Finalize EKS cluster deployment and confirm reliable networking.
- Create DynamoDB for application state management.
- Deliver initial workflow documentation and dashboard prototype.
- Doc on stuff that would go wrong
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