Motivation

Two main problems in telehealth:

- A lack of TRANSPARENCY in patient-physician communication, reducing understanding and sense of autonomy
- Unrealized potential for EFFICIENCY in pre-consultations

Solution

TRANSPARENCY and EFFICIENCY

- Pre-consultation symptom screening
- Initial diagnosis
- Asynchronous communication

Innovation

Chatbot facilitates symptom screening
- Aggregate symptoms for initial diagnosis
- Display chat logs and summary tags
- Comments section for asynchronous communication
- Patient registration and appointment creation

Architecture

- DynamoDB Database
- Application Server
- Amazon Lex Chatbot
- React User Interface
- Authentication
- Doctors/Patients Information
- Inferredca Medical API
- Amazon Lex

Technology Used

- React
- DynamoDB
- AWS Lambda
- Amazon Lex
- Infermedica
- Authentication
- Cloudwatch

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