```
  ai-interaction-service:
    path: src/services/ai-interaction-service
  appointment-service:
    path: src/services/appointment-service
  doctor-service:
    path: src/services/doctor-service
  patient-service:
    path: src/services/patient-service
[ec2-user@ip-172-31-244-219 health-hub-backend]$ tree -L 3 src/
src/
└── services
    ├── ai-interaction-service
    │   ├── package.json
    │   ├── serverless.yml
    │   ├── src
    │   ├── tsconfig.json
    │   └── webpack.config.js
    ├── appointment-service
    │   ├── package.json
    │   ├── serverless.yml
    │   ├── src
    │   ├── tsconfig.json
    │   └── webpack.config.js
    ├── doctor-service
    │   ├── package.json
    │   ├── serverless.yml
    │   ├── src
    │   ├── tsconfig.json
    │   └── webpack.config.js
    ├── patient-service
    │   ├── package.json
    │   ├── serverless.yml
    │   ├── src
    │   ├── tsconfig.json
    │   └── webpack.config.js
    └── user-service
        ├── package.json
        ├── serverless.yml
        ├── src
        ├── tsconfig.json
        └── webpack.config.js

11 directories, 20 files
[ec2-user@ip-172-31-244-219 health-hub-backend]$ npm install
```

i-06227dde341889150 (tcb-hh-ws)

```
1 directories, 20 files
[ec2-user@ip-172-31-244-219 health-hub-backend]$ npm install
npm warn deprecated inflight@1.0.6: This module is not supported, and leaks memory. Do not use it. Check out lru-cache if you want a good and test
ve and powerful.
npm warn deprecated lodash.get@4.4.2: This package is deprecated. Use the optional chaining (?.) operator instead.
npm warn deprecated glob@7.2.3: Glob versions prior to v9 are no longer supported
npm warn deprecated glob@7.2.3: Glob versions prior to v9 are no longer supported
npm warn deprecated glob@7.2.3: Glob versions prior to v9 are no longer supported
npm warn deprecated glob@7.2.3: Glob versions prior to v9 are no longer supported
npm warn deprecated querystring@0.2.1: The querystring API is considered Legacy. new code should use the URLSearchParams API instead.
npm warn deprecated querystring@0.2.0: The querystring API is considered Legacy. new code should use the URLSearchParams API instead.
npm warn deprecated uuid@3.4.0: Please upgrade  to version 7 or higher.  Older versions may use Math.random() in certain circumstances, which is k
npm warn deprecated node-domexception@1.0.0: Use your platform's native DOMException instead
npm warn deprecated superagent@7.1.6: Please upgrade to superagent v10.2.2+, see release notes at https://github.com/forwardemail/superagent/relea
il.net

dded 1025 packages, and audited 1026 packages in 56s

96 packages are looking for funding
 run `npm fund` for details

ound 0 vulnerabilities
npm notice
npm notice New minor version of npm available! 11.6.2 -> 11.7.0
npm notice Changelog: https://github.com/npm/cli/releases/tag/v11.7.0
npm notice To update run: npm install -g npm@11.7.0
npm notice
[ec2-user@ip-172-31-244-219 health-hub-backend]$
```

```
[ec2-user@ip-172-31-244-219 health-hub-backend]$ npm run deploy

> hh-backend@1.0.0 deploy
> serverless deploy --stage dev --max-concurrency 1


Deploying to stage dev

    ∷  user-service › deploying › 26s
       ai-interaction-service › waiting
       appointment-service › waiting
       doctor-service › waiting
       patient-service › waiting

Press [?] to enable verbose logs
```

i-06227dde341889150 (tcb-hh-ws)

PublicIPs: 3.239.164.134   PrivateIPs: 172.31.244.219

```
[ec2-user@ip-172-31-244-219 health-hub-backend]$ npm run deploy

> hh-backend@1.0.0 deploy
> serverless deploy --stage dev --max-concurrency 1


Deploying to stage dev

    ✓  user-service › deployed › 101s
    ✓  ai-interaction-service › deployed › 99s
    ✓  appointment-service › deployed › 105s
    ✓  doctor-service › deployed › 98s
    ✓  patient-service › deployed › 99s
[ec2-user@ip-172-31-244-219 health-hub-backend]$ []
```

i-06227dde341889150 (tcb-hh-ws)

PublicIPs: 3.239.164.134   PrivateIPs: 172.31.244.219

CloudFormation > Stacks

CloudFormation

Stacks
Stack refactors New
StackSets
Exports

Infrastructure Composer
IaC generator

Hooks overview
Invocation summary
Hooks

▾ Registry
Public extensions
Activated extensions
Publisher

ⓘ CloudFormation Console now supports multiple new features. See below for more details. ✕

Notifications ⊗ 0 ⚠ 0 ⊘ 0 ⓘ 5 ⊖ 0 ⌄

Stacks (5)   ⟳ Delete Update stack ▾ Stack actions ▾ Create stack ▾

Filter status

	Stack name	Status	Created time ▾	Description
○	hh-patient-dev	⊘ UPDATE_COMPLETE	2025-12-24 10:26:03 UTC-0330	The AWS CloudFormation template for this Serverless application
○	hh-doctor-dev	⊘ UPDATE_COMPLETE	2025-12-24 10:24:24 UTC-0330	The AWS CloudFormation template for this Serverless application
○	hh-appointment-dev	⊘ UPDATE_COMPLETE	2025-12-24 10:22:40 UTC-0330	The AWS CloudFormation template for this Serverless application
○	hh-ai-interaction-dev	⊘ UPDATE_COMPLETE	2025-12-24 10:21:00 UTC-0330	The AWS CloudFormation template for this Serverless application
○	hh-user-dev	⊘ UPDATE_COMPLETE	2025-12-24 10:19:11 UTC-0330	The AWS CloudFormation template for this Serverless application

Functions

Lambda

Dashboard
Applications
Functions

▾ Additional resources
Capacity providers New
Code signing configurations
Event source mappings
Layers
Replicas

▾ Related AWS resources
Step Functions state machines

Functions (27)   Last fetched 2025-12-24, 10:45:14 a.m. ⟳ Actions ▾ Create function

5 matches

ai ✕   Clear filters

	Function name ▽	Description ▽	Package type ▽	Runtime ▽	Type ▽	Last modified ▽
☐	hh-ai-interaction-dev-virtualAssistant	-	Zip	Node.js 18.x	Standard	24 minutes ago
☐	hh-ai-interaction-dev-listInteractions	-	Zip	Node.js 18.x	Standard	24 minutes ago
☐	hh-ai-interaction-dev-textToSpeech	-	Zip	Node.js 18.x	Standard	24 minutes ago
☐	hh-ai-interaction-dev-createInteraction	-	Zip	Node.js 18.x	Standard	24 minutes ago
☐	hh-ai-interaction-dev-getInteraction	-	Zip	Node.js 18.x	Standard	24 minutes ago

API Gateway > APIs > dev-hh-user (nwaqdtvi6k)

API Gateway

APIs
Custom domain names
Domain name access associations
VPC links

API: dev-hh-user...(nwaqdtvi6k)

▼ Develop
Routes
Authorization
Integrations
CORS
Reimport
Export
▼ Deploy
Stages

dev-hh-user

Stage: - ▼   Deploy

API details

Edit

API ID
nwaqdtvi6k

Protocol
HTTP

Created
2025-12-24

Description
No Description

IP address type
IPv4

Default endpoint
⊘ Enabled
https://nwaqdtvi6k.execute-api.us-east-1.amazonaws.com

ARN
arn:aws:apigateway:us-east-1::/apis/nwaqdtvi6k

Stages for dev-hh-user (1)

Find resources

Stage name	Invoke URL	Attached deployment	Auto deploy	Last updated
$default	https://nwaqdtvi6k.execute-api.us-east-1.amazonaws.com	bw4l4s	enabled	2025-12-24

▲ Not secure 3.239.164.134:5173

Sign in to your account

Email:

Password:

Sign in

Need an account? Register

← ↻ ⌂ ▲ Not secure 3.239.164.134:5173   Update

HealthHub
Logged in as: doctor

⌂ Dashboard

◁× AI Speech

AI Speech Converter

3.239.164.134:5173 says

Speech conversion saved successfully to patient record!

OK

Ava Brown ▼

Select Language
English (US) ▼

Text to Convert

Patient is allergic to penicillin. Avoid prescribing any medications containing penicillin derivatives
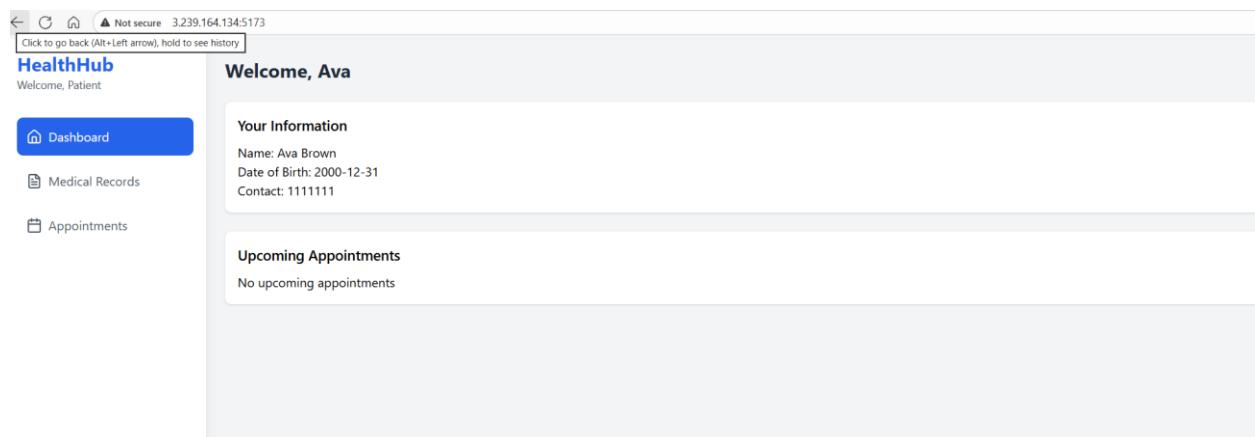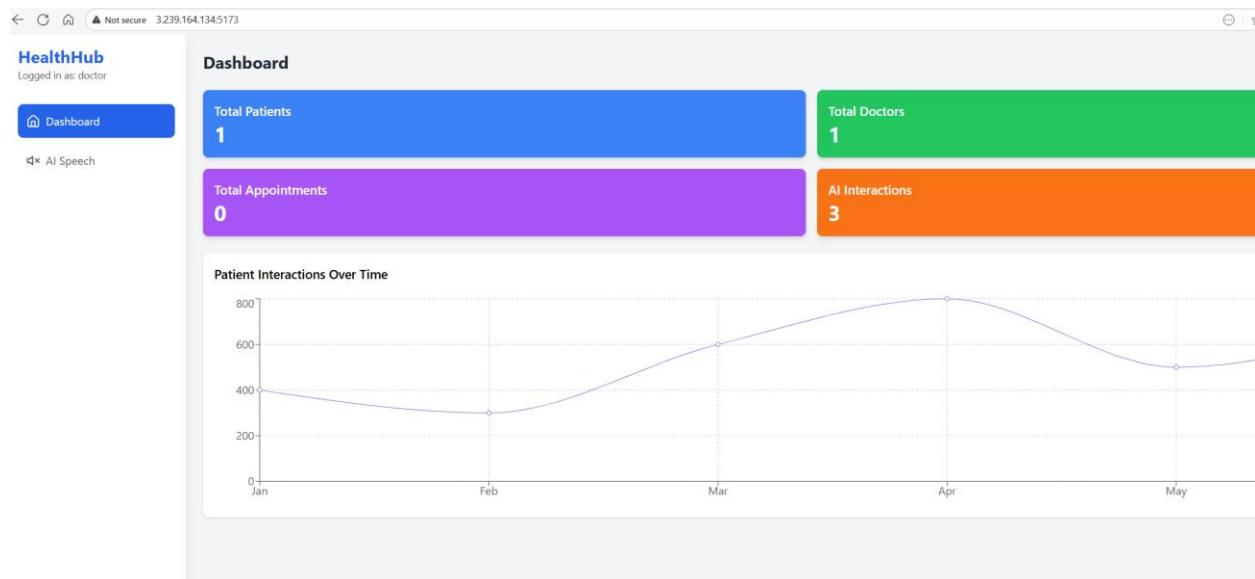
▶ 0:00 / 0:06 ◀)) ⋮

▷ Convert to Speech   Saving...

HealthHub
Logged in as: doctor

- 🏠 Dashboard
- 🔇 AI Speech

Dashboard

Total Patients
1

Total Doctors
1

Total Appointments
0

AI Interactions
3

Patient Interactions Over Time

Click to go back (Alt+Left arrow), hold to see history

HealthHub
Welcome, Patient

- 🏠 Dashboard
- 📄 Medical Records
- 📅 Appointments

Welcome, Ava

Your Information

Name: Ava Brown
Date of Birth: 2000-12-31
Contact: 1111111

Upcoming Appointments

No upcoming appointments

HealthHub
Welcome, Patient

- Dashboard
- Medical Records
- Appointments

Medical Records

AI Speech Interactions

Date: 2025-12-24, 11:58:30 a.m.
Original Text:
Patient is allergic to penicillin. Avoid prescribing any medications containing penicillin derivatives

0:00 / 0:06

Date: 2025-12-24, 11:59:43 a.m.
Original Text:
Administer pain relief every 6 hours. Keep the wound area clean and dry. Schedule follow-up for stitch removal in 7 days

0:00 / 0:08

Date: 2025-12-24, 12:00:49 p.m.
Original Text:
Prescrever 10mg de Atorvastatina uma vez ao dia, antes de dormir, para controle dos níveis de colesterol

0:00 / 0:07

HealthHub
Welcome, Patient

- Dashboard
- Medical Records
- Appointments

Appointments

No appointments scheduled

Create New Appointment

Doctor
Dr. David Lee

Date and Time
2026-01-14 03:10 PM

Notes
Medical treatment follow up

Cancel   Create

HealthHub
Welcome, Patient

- Dashboard
- Medical Records
- Appointments

Appointments

Date: 2026-01-14, 3:10:00 p.m.
Doctor: Dr. David
Status: scheduled
Notes: Medical treatment follow up