

SHUBHAM KHAMKARHATTI

SOFTWARE ENGINEER

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PROFILE

Experienced backend software engineer with 2 years of JavaScript expertise, specializing in Node.js. Skilled in building scalable applications and leveraging Azure services for automation. Committed to ongoing learning and embracing new technologies to drive impactful projects.

SKILLS

- JavaScript
- Quick Learner
- Azure Services
- Azure Container App
- Azure Data Factory
- NodeJS
- SQL
- Azure ServiceBus
- Azure EventGrid
- Azure Triggers
- Python
- Git
- Azure Storage
- Azure FunctionApp
- Azure Cognitive Service
- React
- Flutter
- Azure Event Hub
- Azure Fhir Server

PROFESSIONAL EXPERIENCE

- Extensive experience in implementing backend functionalities to ensure high performance and reliability.
- Skilled in developing RESTful APIs and handling database interactions efficiently.
- Utilized the Piscina library to implement multiple threads, enabling the concurrent execution of independent tasks, which significantly enhanced system performance.
- Leveraged Azure services to automate the project workflow, streamlining processes, and improving efficiency. Additionally, worked extensively with Azure Service Bus, Azure Container Apps, and Azure Event Grid, by configuring them to trigger subsequent processes based on incoming messages.
- Implemented various Azure triggers to facilitate task completion using Azure Function App, which offers HTTP, Blob, Queue, and Timer triggers.
- Utilized Azure Cognitive Services to train an AI model for predicting health diseases from clinical data.
- In addition to my proficiency in backend development, I also have knowledge of React for web development and Flutter for mobile application development.
- I am expanding my expertise by learning Python and Azure Data Factory, aiming to strengthen my skills in data processing and cloud-based automation.

EDUCATION

MASTER OF COMPUTER APPLICATION
KLS Gogte Institute of Technology

BACHELOR OF COMPUTER APPLICATION
Govindram Seksaria Science College

PROJECTS

PROVIDER DATA TRANSFORMATION(PDT)

This project involves migrating data from XML files to Associations server in HL7 FHIR JSON format.

- Developed and implemented validation rules to ensure data integrity and adherence to FHIR standards, contributing to improved data quality for critical healthcare information.
- Successfully enriched JSON data by fetching additional details from external APIs and Database, enhancing its value and usefulness for downstream applications.
- Implemented parallel processing using the json-rule-engine package, significantly improving validation efficiency and reducing processing time

TechStack

- Azure Function App, Azure Storage,
- JavaScript(NodeJS),
- Azure MSSQL Database,
- Azure Storage,
- FHIR Server,
- Azure Event based triggers like Blob , Http, Timer Trigger etc

RISK ADJUSTMENT

This project is all about predicting risk score of patient based on their clinical notes(diseases).

- Here my job was to automate chart ingestion whenever any file lands into storage container.
- I have used Azure Service Bus messages to trigger programs based on messages.
- With help of Azure cognitive service I trained AI model to list out patient diseases from clinical note.
- Developed Restfull backend API server for Frontend application.
- Fhir server integration.
- Data ingestion in Database(CRUD).

TechStack

- NodeJS express framework,
- Azure MSSQL Database,
- Azure Storage,
- FHIR Server,
- Azure cognitive services,
- Azure Event Grid,
- Azure ServiceBus
- Azure Container Apps

UTILIZATION MANAGEMENT

It's management tool for Insurance companies.

- I have developed multiple ui screens using HTML, CSS, JS and Bootstrap
- I have used React framework for frontend development.
- Used Redux toolkit for state management.

TechStack

- ReactJS(Web Application Framework)

OMEGA (MOBILE APPLICATION)

This project is all about showcasing patient details like Health details, claim details, encounter details etc by connecting through Providers Fhir server.

- I have worked on small module like handling failure and showcasing that through alert dialog box in mobile application and other bug fixes.

TechStack

- Flutter(Mobile Application Framework)