AAYUSH KURUP

Software Engineer

+91 997 725 4522
aayushkurup786@outlook.com

github.com/AayushK47
linkedin.com/in/aayushk47
aayushkurup.dev

ABOUT ME

A motivated Software Engineer proficient in backend development, integration and database design. An eclectic and agile thinker who love to solve challenging problems using appropriate optimizations.

Core Skills

Node.js	Mongo.db	AWS
Python	MySQL	CSS
Nest.js	PostgreSQL	JavaScript
React.js	HTML	

Achievements

AWS Certified Cloud Practitioner
Employee of the Month Award – DEC 2022
Smart India Hackathon – Software Edition 2019 Grand Finalist.

EXPERIENCE

Software Engineer, Squareboat

March 2022 – Present

Roles and Responsibilities:–

- Collaborating with clients to understand their product requirements and translate them into technical specifications.
- Designing scalable and efficient database architectures for the applications, utilizing technologies such as MongoDB, MySQL, and PostgreSQL.
- Developed and Implemented RESTful APIs and other backend services using Node.js, Python, and other relevant frameworks.
- Integrating third-party packages, libraries and cloud services into the applications to enhance functionality and improve user experience.
- Integrated APIs and services with frontend websites, enabling the websites to access backend functionality.

Projects worked on:–

1. Finemake – a highly customizable interior design hardware B2B e-commerce app.
   - Developed RESTful APIs for managing product catalogs, orders, and payments.
   - Integrated third-party payment gateway and shipping service into the app.
   - Utilized PostgreSQL for storing product and order data, ensuring scalability and performance.
2. Hudle – a sports venue booking and event management app.
   - Developed feature for tracking challenges and achievement for each user.
   - Used AWS lambda for deployment of the above features.
3. TV App – a Flutter app for displaying images in a slideshow on TV.
   - Developed the app using Flutter and Dart.
   - Designed and developed the admin panel for remotely managing the slideshow images in React.js.
   - Developed RESTful API device and image management using Nest.js.
4. Healify – a platform for digitizing physiotherapy treatment.
   - Developed the exercise admin panel for managing and configuring exercise data.
   - Utilized Python and FasrAPI for developing the backend APIs.
   - Integrated Amazon SQS for asynchronous video processing.
   - Integrated APIs and services with the frontend website.

Assistant System Engineer, Tata Consultancy Services

January 2021 – March 2022

Key responsibilities:–

- Provided technical support to clients, assisting them in resolving issues with the application.
- Conducted root cause analysis (RCA) to identify and diagnose problems with the application.
- Collaborated with clients to understand their requirements and provided code changes to meet their needs.
- Implemented audit trail functionality in the project using Spring Boot, Swing and Oracle in a legacy project.
- Monitored the application for performance issues and proactively identified and resolved any issues that arose.

EDUCATION

Bachelor of Engineering

Sagar Institue of Science and Technology, Bhopal
2016–2020

Higher Secondary School

Govt. Subhash Higher Secondary School for Excellence, Bhopal
2015–2016

High School

Theodosian Academy
2013–2014

PROJECTS

Fireshell

It is a shell written in node.js which can be used to execute realtime database and cloud firestore queries. It has been published on the npm registry.

Key Features:-

- Works with firebase realtime database as well as cloud firestore.
- Can run multiple queries at once using a file input.
- Easy installation through npm package registry.

Technologies used: Node.js and Firebase
Project source: https://git.io/JTySk

ClassCapture

A software that takes an image as input, detects and identifies all the faces in the image and marks their attendance
.
Key Features:-

- Easy to use and responsive and responsive website
- Manage student attendance for all the difference classes
- Does not require large amount of training data for face recognotion.

Technologies used: Keras,Flask HTML, CSS, JavaScript, Bootstrap

Sudoku Solver

A web application that can solve any given sudoku puzzle.

Key Features:-

- SImple UI with a sudoku board display where user can enter their sudoku puzzle.
- Provides solution to the input sudoku puzzle instantly.

Technologies used: Python, Flask, HTML, CSS, JavaScript
Project source: https://git.io/fjnQf