Riddhi Kumari Singh

Full-Stack Developer

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SUMMARY

As a Full-Stack Developer with experience in building highly scalable and efficient web applications, I have developed expertise in the MERN stack and implemented server-side functionality with Node.js and Express. I have designed and implemented RESTful APIs for web services, utilizing Git and Bitbucket for version control and AWS S3 for secure data storage and retrieval. My experience in deploying applications using AWS services and managing end-to-end deployment on different environments while adhering to Agile methodology has helped me contribute to a team's success. Additionally, I have leveraged Dynamic Time Warping (DTW) algorithm to analyze motion data from fitness tracking devices and optimized database performance with MongoDB. My proficiency in designing database structures and deploying secure payment transaction systems using Microservice Architecture have been the key highlights of my previous roles.

PROFESSIONAL EXPERIENCE

Full-Stack Developer
Exar
Jan '23 - Present
Bangalore, India

Developed a workout tracking application using MERN stack, optimized database performance with MongoDB, and utilized Python libraries to analyze motion data from fitness tracking devices.

- Developed a workout tracking application using MERN stack and Node.js/Express for server-side functionality and React.js for user-side functionality.
- Optimized database performance with MongoDB and implemented Dynamic Time Warping (DTW) algorithm to analyze motion data from fitness tracking devices.
- Developed a data pipeline to preprocess raw sensor data and apply DTW using Python libraries (numpy, pandas, and matplotlib).

Full-Stack Developer
Datman OmniPay
Aug '22 - Jan '23
Bangalore, India

Designed and integrated secure payment transaction systems using Microservice Architecture, built highly scalable web applications using Node.js and AWS Amplify, and utilized MySQL and AWS services for deployment.

- Designed and integrated secure payment transaction systems using Micro-service Architecture and YAML, AWS Lambda, Server less, Sequelize, and Fuge for back-end development.
- Built highly scalable web applications using Node.js and AWS Amplify, and contributed to front-end development using React JS, HTML, and CSS.
- Designed database structures in MySQL and deployed applications using AWS services, Git, and Agile methodology.

Full-Stack Developer
Theecode Technologies Pvt. Ltd
Oct '21 - Aug '22
Remote

Built 3 projects using Postgres, React, Node.js, and Express.js, leveraged AWS S3 for secure data storage and retrieval, and adhered to Agile methodology for end-to-end deployment on different environments.

- Built 3 projects using Postgres, React, Node.js, Express.js, Typescript, AWS S3, Restful APIs, Git, Bitbucket, and Swagger for API testing.
- Designed and implemented RESTful APIs for web services, utilizing Git and Bitbucket for version control.
- Leveraged AWS S3 for secure data storage and retrieval and utilized Swagger for Restful-API testing.
- Developed highly scalable web applications using Node.js and React, and designed Postgres database structures.
- Adhered to Agile methodology and project guidelines, managing end-to-end deployment on different environments.

EDUCATION

Executive M.Tech in Cloud Computing
IIT Patna
Mar '23 - Present
Remote

IIT Patna Executive M.Tech in Cloud Computing ongoing

Expertise in designing and deploying scalable and secure cloud-based solutions. Skilled in cloud technologies such as AWS, Azure, and Google Cloud, and experienced in developing and managing cloud infrastructure using DevOps practices. Strong problem-solving skills and ability to work collaboratively in team environments.

Bachelor Degree in Information Technology

Banasthali University

May '17 - Jun '21

Banasthali, India

Completed a Bachelor's Degree in Information Technology from Banasthali University

Gaining a strong foundation in various aspects of IT, including programming, database management, computer networks, and web development. Developed practical skills through hands-on projects and worked collaboratively with peers to achieve academic goals.

KEY SKILLS

Backend Development: - Node.js, Express.js, MongoDB, MySQL, AWS Lambda, Serverless Sequelize, Fuge

Fronted Development: - React.js, HTML, CSS, AWS Amplify

Database:- MongoDB, Postgres

Cloud Services:- AWS S3, AWS Lambda, Serverless, AWS Amplify

API Development and Testing:- RESTful APIs, Swagger Version

Control:- Git, BitBucket

CERTIFICATIONS

M001: MongoDB Community Developer