Siddharth Dhaka

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ABOUT ME

Dedicated Software Engineer with almost 2 years of experience in creating a secure and scalable backend. Built authentication systems, automation tools, integrated notifications across different channels and worked with Web3 technologies. Developed full-stack applications, including apps with geolocation and a decentralized chat platform.

EDUCATION

Inderprastha Engineering College Ghaziabad, UP

Bachelor of Engineering in Computer Science *Aug. 2018 – May 2023*

EXPERIENCE

Software Engineer July 2023 – Present

BKS MyGold *Noida, UP*

- URL Shortener: Developed a URL shortener with Node.js and MongoDB, including frontend features like deep linking and whitelisting.
- Authentication Microservice: Built a secure authentication service using JWT with role-based access control, 2-factor authentication, and Google Authentication for merchants. Enhanced validation and security by integrating Hyperledger Fabric blockchain.
- CLI Tool: Automated tasks such as Docker image building and package installation with a custom CLI tool using Node.js.
- Notification Service: Integrated multi-channel notifications via WhatsApp (Gallabox API), email (Amazon SES), SMS, and push notifications (Firebase).
- Infrastructure: Managed containerization and orchestration using Docker, Kubernetes, and Rancher, with Nginx configuration.
- Technologies: Node.js, MongoDB, Express, AWS, Docker, Kubernetes, Postman, Redis, Blockchain

Backend Engineer Intern Dec. 2022 – June 2023

Conexo *Noida, UP*

- Meet and Greet Service Application: Designed and developed a full-stack web application with geolocation and payment integration, allowing users to select and purchase service packages based on their travel information.
- API Development: Implemented RESTful APIs using Node.js and Express.js, integrating MongoDB for efficient data storage and retrieval.
- Authentication and Authorization: Developed secure authentication mechanisms with JWT to protect user data and manage sessions.
- API Testing: Conducted thorough testing using Postman to ensure API reliability and functionality.
- Technologies: React.js, Node.js, JWT, MongoDB, REST APIs, Socket.io, Redis(pub/sub), Postman.

PROJECTS

CosmicChatics | *React.js, Node.js, MongoDB, Docker, Redis, JWT, Brcypt, Docker, Jenkins*

- ∗ Decentralized Video Conferencing and Chat Platform is a full-stack application that facilitates secure and real-time communication between users through video conferencing, instant messaging, and wallet-based coin transactions.
- ∗ Built using Node.js, React.js, Docker, and Redis, while adding a extra feature of geo-fencing.
- ∗ The application also includes a wallet feature that allows users to send and receive coins, making it an all-in-one communication and transaction platform.

TECHNICAL SKILLS

Frameworks: Node.js, React.js, Hyperledger Fabric(Web3)
Database: MongoDB, Redis
Developer Tools/Cloud: Git, Docker, Postman, Kubernetes, JIRA, AWS
Others: Web3, IBM Hyperledger Fabric, Jenkins