

SK SOHAB

Full Stack Developer

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PROFESSIONAL SUMMARY

- Currently working as a Software Engineer at EY GDS, Kolkata with 3 years, 10 Months of total experience.
- Proficient in full stack application development with DevOps knowledge.
- AZ 900 certified and proficient in using azure services.
- Recently working with blockchain technology with solidity programming language.
- Involved in requirement gathering, analysis and working with cross-functional teams.

WORK EXPERIENCE

Ernst & Young Global Delivery Services (August 2022 - Present)

Software Engineer

1. **Project:** BEC (blockchain.ey.com) OpsChain Contract Manager
 - **Role:** Full Stack Blockchain Developer
 - **Technology:** Solidity, Blockchain, Smart Contracts, Hardhat, Git, Docker, Jest, Swagger API, REST APIs, NestJS, Redux.js, Redux Toolkit, React.js, Material-UI, styled-components, TypeScript, Node.js, JavaScript, MongoDB
 - **Resources:** Azure Kubernetes Service, Azure API Management, Polygon Mumbai Testnet
 - **Project Description:** A software solution that automates real-world procurement contract agreements on the public Ethereum blockchain, with privacy. Contracting parties can model their contract agreements into smart contracts, keeping their data private with EY Starlight. OpsChain Contract Manager integrates with ERP and other systems via EDI and enforces the contract conditions in every business transaction related to the contract.
 - **Key Feature developed:** Building RESTful microservices backend with docker containers. Zero Knowledge Proof Application (zApp) Development using Starlight.
2. **Project:** BEC (blockchain.ey.com) OpsChain ESG
 - **Role:** Full Stack Blockchain Developer
 - **Technology:** Solidity, Blockchain, Smart Contracts, Hardhat, Git, Docker, Jest, Swagger API, REST APIs, NestJS, Redux.js, Redux Toolkit, Nextjs, React.js, Material-UI, styled-components, TypeScript, Node.js, JavaScript, GraphQL, MongoDB
 - **Resources:** Azure Kubernetes Service, Azure API Management, Polygon Mumbai Testnet
 - **Project Description:** Released as REST API and GraphQL as a service in first version (written in NestJS), this module helps clients or manufacturers to upload their emission generated, products developed and carbon credits bought and tokenize all of these in public Ethereum blockchain and track. The functionality to allocate emissions to products and offset those using carbon credits is also tracked on chain. UI is developed with React 18 with TypeScript and Redux Toolkit for state management.
 - **Key Feature developed:** (ERC-1155) Smart contract development using Solidity. Integration with other RESTful microservices with docker containers. Infosec issue fixes.

Tata Consultancy Services (February 2020 – August 2022)

Assistant System Engineer

1. **Project:** Strategy and Transformation (S&T)
 - **Role:** Full Stack Developer
 - **Involvement:** Building Web Applications using MERN Stack (ReactJS, NodeJS, Express, MongoDB) from scratch. Used ReactJS/Redux (Redux Toolkit) for frontend and NodeJS, ExpressJS to build the Backend API for CRUD and other operations. MongoDB is used as the Database. Worked on Java BDD Automation Framework Development that includes - Selenium, Appium.
 - **Technology:** ReactJS, NodeJS, Express, MongoDB, ReduxJS, Redux Toolkit, Java, Selenium, Appium

TECHNICAL SKILLS

Blockchain: Solidity, Hardhat, Ethers.js, Web3.js

Language: JavaScript (Node JS), TypeScript, Java, Python, C, C++

Backend: NestJS, ExpressJS, Flask

Databases: MongoDB

Frontend: ReactJS, NextJS, ReduxJS, Redux Toolkit, Material-UI, Styled-components, TailwindCSS, HTML, CSS, Flutter, ElectronJS

Testing Module: Jest, React Testing Library (RTL), Selenium, Appium

Client-Server Communication: REST, GraphQL

Architecture: Monolith, Microservices

Operating Systems: MacOS, Windows

Cloud Services: Azure App Service, Azure SQL, Azure Blob Storage, Azure Kubernetes Services (AKS),

Repository: Github, Bitbucket, Azure DevOps

Containerization: Docker

CI/CD: Github Actions

Message Broker: Kafka (Beginner level)

Design Pattern: Domain Driven Design (DDD), Behavior Driven Design (BDD)

CERTIFICATIONS

- [Microsoft Certified: Azure Fundamentals \(AZ 900\)](#)
- [EY Blockchain - Bronze \(2023\) - Credly](#)



EDUCATIONAL BACKGROUND

Bachelor of Science Honours on Computer Science (67.5%)

Asutosh College – University of Calcutta (2016 - 2019)

Higher Secondary Education (71.17%)

Tiljala High School (WBCHSE) (2014 - 2016)

Secondary Education (69.14%)

Tiljala High School (WBBSE) (2014)

PERSONAL DETAILS

- Date of Birth: 4th August 1999
- Languages: English, Bengali, Hindi
- Nationality: Indian