SK SOHAB

Software Engineer II

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PROFESSIONAL SUMMARY

◆ **Experienced Full Stack Software Engineer:** Almost 5 years at Codecademy by Skillsoft, specializing in full stack application development and DevOps practices.
◆ **Innovative product features:** Designed and implemented features for high-impact products like Codecademy, significantly enhancing architecture and performance.
◆ **Effective Team Leader:** Proven track record of leading cross-functional teams, driving successful requirement gathering, analysis, and project execution impacting millions of users.
◆ **Advanced technology integration:** Skilled in blockchain technologies with Zkp, micro frontend architecture, and leveraging cloud services.
◆ **Open-Source Contributor:** Active contributor to various open-source projects and creator of several NPM libraries, fostering community and innovation.

WORK EXPERIENCE

Codecademy by Skillsoft | June 2024 – Present
Software Engineer II

◆ Led several key projects from inception to production, impacting millions of Codecademy users in both the consumer and enterprise sectors. Played a major role in integrating Codecademy to Percipio for Enterprise Customers.
◆ Designed and developed innovative features for the Codecademy product, enhancing both the frontend and backend. Improved the product's architecture, resulting in better scalability and efficiency.
◆ Contributed to the micro frontend architecture design and decisions, utilizing Module Federation for seamless product integration.
◆ Developed innovative product ideas that were recognized by stakeholders and influenced the product roadmap.
◆ **Technologies**: Nextjs, Reactjs, Gamut, styled-components, TypeScript, Ruby on Rails, Ruby, Node.js, JavaScript, TailwindCSS, GraphQL, MongoDB, PostgreSQL, Docker, Kubernates, AWS, Git, Github Actions, Jenkins, Jest, Vitest, Redux, Redux Toolkit, Module Federation, Webpack, SWC

Ernst & Young Global Delivery Services | August 2022 – June 2024
Software Engineer

◆ Collaborated with other team members to develop and deploy full stack blockchain applications using Solidity, Hardhat, NestJS, React, and other technologies for BEC (blockchain.ey.com) platform.
◆ Worked on two products: OpsChain Contract Manager and OpsChain ESG, which are SaaS products that automate and track real-world contract agreements and environmental, social, and governance (ESG) data on the public Ethereum blockchain with privacy (ZKP).
◆ Built RESTful and GraphQL microservices with Docker containers and integrated them with Azure Kubernetes Service and Azure API Management.
◆ Implemented zero knowledge proof applications (zApps) using Starlight and ERC-1155 smart contracts using Solidity.
◆ Fixed infosec issues and wrote end-to-end tests, smoke tests, and unit tests using Jest and Supertest.
◆ **Technologies**: Solidity, Blockchain, Smart Contracts, Hardhat, Git, Docker, Jest, Swagger API, REST APIs, GraphQL, NestJS, Redux.js, Redux Toolkit, React.js, Nextjs, Material-UI, styled-components, TypeScript, Node.js, JavaScript, MongoDB
◆ **Resources:** Azure Kubernetes Service, Azure API Management, Polygon Mumbai Testnet

Tata Consultancy Services | February 2020 – August 2022

Assistant System Engineer

- Built web applications using MERN Stack (React, Node, Express, MongoDB) from scratch for Strategy and Transformation (S&T) project.
- Used React/Redux (Redux Toolkit) for the frontend and Node/Express for the backend API for CRUD and other operations.
- Worked on Java BDD Automation Framework Development, which includes Selenium and Appium.
- **Technologies**: ReactJS, NodeJS, Express, MongoDB, ReduxJS, Redux Toolkit, Java, Selenium, Appium

TECHNICAL SKILLS

Blockchain: Solidity, Hardhat, Ethers.js, Web3.js, Wagmi, Viem, ConnectKit, Rainbowkit, Ethereum, Polygon

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

Backend: NestJS, NodeJS, ExpressJS, Mongoose, Flask, SocketIO, WebRTC

Databases: MongoDB, Redis

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

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

Client-Server Communication: REST, GraphQL

Architecture: Monolith, Microservices

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: August 4, 1999
- Languages: English, Bengali, Hindi
- Nationality: Indian
- Having a **YouTube Channel** called **4TECHLoverz** with over 38k Subscribers.