Spandan Barve

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Experience

Okeanos Software Solutions   Nov 2023 - Ongoing
Developer
- Consistently deliver high-quality projects on a per-project basis, specializing in rapid development timelines
- Successfully designed and developed fully functional websites from scratch using React App and Tailwind CSS. Key objectives include the creation of:

  NFT Car, Quantum-Oracles, LetsLance HK, Ideavault Hk, ShantiTrip Celestia Fest
- Additionally, provided guidance to fellow developers on various projects within the company.

Cloud Native Computing Foundation - Vitess   Sept 2023 – Dec 2023
LFX Mentorship - Project Contributor   🔗 *Project Details*
- Vitess uses arewefastyet to conduct automatic benchmarks on code changes and ensure no performance regression is introduced
- Developed an Admin Panel to manage these benchmarks and also rewamped and rewrote the entire web UI.
- Technologies involved were : Golang for server side and React + Typescript + TailwindCss for the web client

TalentLayer   Aug 2023 - Dec 2023
Frontend and Tooling Engineer   🔗 *Website*
- TalentLayer is an open Web3 protocol and developer toolkit for building hiring marketplaces and talent pools
- Worked on developing an SDK and other developer tools. Also Developed their React Components library.
- The SDK allows fully typesafe interactions with the underlying graph in an abstracted manner

Projects

One-Panel   ⬛ Github
Admin Panel as a Service
- Developed an admin panel as a service for non-technical users to add and manage their application data efficiently providing developers with the ability to define data structures and schema for their projects.
- Implemented secure data handling and access control mechanisms within the admin panel with exposed API endpoints to enable developers to use the data with their preferred architecture plans.
- The technologies included Golang for microservices and React for GUI.

Nest   ⬛ Github
Private Web3 Communities
- Nest is a platform for deploying private communities owned by individuals and enables them to have a completely custom tailored social media solution for their community
- Nest uses a Audited GKE algorithm to ensure that the communication, despite being entirely on chain, stays encrypted, secure and private
- Nest was deployed on Avalanche with smart contracts written in Solidity and the web client was developed using React, Typescript and TailwindCSS

FifthPoll   ⬛ Github
Web5-community-voting-platform
- Worked with the latest web5 technology. Web5 revolves around personal data ownership and uses research grade technologies such as Decentralized Web Nodes, Verifiable Credentials and Decentralised Identifiers as the core methodology
- Developing a Decentralized Secure voting platform using web5 technologies and the web5 SDK. The technologies used were ReactJs, Web5Js

AgroSurance   ⬛ Github
Web5 Agricultural Insurance app
- It revolutionize the agriculture industry by providing a transparent, reliable, and decentralized solution for agricultural insurance and liquidity management.

- By fetching real-time data from trusted external sources using Chainlink functions, the platform accurately determines premiums and validates claims based on predefined rules and trigger
- Contributed to the Frontend part with tech Stack, React with Typescript and TailwindCss, made a function to calculate the premuium of the land, and created the Demo Video.

MarsEngine ⦿ [Github](#)
C++ Rendering Engine and Physics Simulator
- Created a scripting language 'marsng' to describe physical entities in a custom physics engine made on marsengine.
- The physics engine describes forces such as gravity, gravitation, friction, collisions etc.

Achievements

Avalanche frontier Hackathon' 2024
Project: Nest — Private Web3 Communities   🔗 *[Dorahacks Link](#)*
- Nest stood a winner among 440+ participants, and 150+ Projects

EthOxford' 2024
Project: Loxel   🔗 *[Github](#)*
- Loxel won the main track of Decentralised social media and gaming and two sponser prizes of Solana and Bitso

Chainlink Spring Hackathon' 2023
Project: AgroSurance   🔗 *[Devpost Link](#)*
- AgroSurance won the Chainlink Tech for Good 2nd Prize among 2500+ participants, and 500+ Projects

Web5: Building the Decentralized Web
Project: FifthPoll   🔗 *[Devpost Link](#)*
- FifthPoll won the Best Empowerment & Enablement Inspired App among 1500+ participants

EthforAll' 2023
Project: Trustpoint   🔗 *[Devfolio](#)*
- Trustpoint won the best NFT based project track by Mantle among 430 project submissions.

Flipr Hackathon
Project: MarsManage   🔗 *[Project Link](#)*
- Stood a Winner in a National level hackathon organised by flipr with over 500 participants

Technical Skills

Languages: Python, C/C++, Golang Javascript, Typescript, SQL, HTML, Bash
Blockchain: Solidity, Hardhat, Truffle, EthersJs, Web3.js, Web3.py, ipfs, Ganache
Technologies: React.js, Vue.js, Svele.js, Express.js, Nuxt, Node.js, Firebase, TailwindCss, HTML, CSS, Bootstrap
Database Systems: MySQL, PostgresSQL, MongoDB, Realm, CassandraDB, Redis, SQLite
Devops / Cloud: AWS, Vercel, Firebase, Docker, GCP, Replit, Kubernetes
Tools: Git, Github, Gitlab, Linux, Figma, Canva

Education

Indian Institue of Information Technology, Gwalior   Expected - May 2025
Bachelor of Technology in Computer Science (CGPA: 7.34)   *Madhya Pradesh, India*
- Google Developers Student Club - Cloud Lead (Aug'2023 - Ongoing)
- Student Activity Council - Ex Member (Aug'2022 - Aug'2023)