Subrat Gupta

Graphic Programmer

I am a graphic programmer based out of India with a lot of full-stack expertise. I have **4+** years of experience but can't fit all that here so check out my website

Contact

subrat.me

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Email: contact@subrat.me

Location
HSR, Bangalore, India

GitHub
github.com/SubratKumarGupta

LinkedIn
linkedin.com/in/subrat-gupta-hi

Expertise

- Tracing Profiler
- WebGL, GLSL
- GSAP, Animations
- THREE.js, GLTF
- Typescript, HTML,CSS
- Dgraph, MongoDB ,express
- AWS, Docker
- GraphQL, REST

Hobbies

I like listining to music, watching Anime, Philosophy, Mechanical and Electrical engineering, Physics

Projects Highlights

● 2024 JAN - ONGOING

Ctruh R&D (fullTime R&D work)

Worked on creating a caching and serializing technique to allow instant editing and saving of 1GB+ 3D models over the network, which is under patent filing.

Made a virtual texturing system that allows you to load textures instantly no matter the size

made performant particles and effects systems like interactive water shader, LOD grass system, infinite terrain with LOD

● 2023 JUNE - 2024 JAN

Ctruh applcations (fullTime-devloment work)

Architected and worked on A Browser based 3D Editor and a virtual Storefront builder, and made a few tech demos like Anime-exp and Aaseya-exp.

collaborated with a wider open-source 3D dev Community and external consultant to work on areas which I lacked expertise on.

wrote extensive docs about each application detailing the architect, systems, and framework that I built and hosted is on a internal docs site built

● 2021 NOV - 2022 MAY

Virtuealize (Freelance project for ICiTified)

As a developer at ICiTified, I played a key role in establishing virtuealize.com's codebase.

Developed a 3D editor with Three.js and a custom authentication service using Apollo GraphQL, MongoDB, and Express. I also designed the database schema, implemented state machines, and handled front-end development.

Additional Info

Project links

Virtuealize:https://virtuealize.com

ctruh:https://www.ctruh.com/

Dgraph-init:https://github.com/SubratKumarGupta/dgraph-init