SURYA P M

Full Stack Developer | WebGL/WebGPU Specialist

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LinkedIn | Github | Portfolio

Professional Summary

Full Stack Developer with 2+ years of experience specializing in web development and 3D graphics programming. Expert in JavaScript, Java, WebGL, and WebGPU. Proven track record in building scalable applications and game engine development with focus on performance optimization and real-time rendering.

Technical Skills

Frontend & Core
- JavaScript (ES6+)
- HTML5
- CSS3
- React .js
- Tailwind CSS
- Bootstrap

Backend
- Node.js
- Express.js
- Java
- Spring Boot
- REST APIs
- JWT

Databases
- MongoDB
- MySQL

Graphics & Rendering
- WebGL
- WebGPU
- GLSL/WGSL 3

Tools & Deployment
- Git
- Postman
- VS Code
- Vercel
- Netlify

Education

BSC in Mathematics

Kamaraj College Thoothukudi.

04/2020

Experience

Software Developer

Hexr Factory 10/2023

– Current

- Developing game engine with WebGPU, WebGL and Vulkan for cross-platform rendering
- Building scalable 3D systems and optimizing real-time rendering performance
- Implementing custom shaders and modern graphics pipelines
- Reduced rendering overhead through optimized draw calls and GPU utilization

System Administrator

Madura Coats

12/2020 – 12/2022

- Managed IT infrastructure for 50+ users with 99% uptime
- Provided technical support and maintained system reliability
- Documented procedures and streamlined operational workflows

Achievements

- 2+ years professional development experience
- 10+ technologies mastered (Full Stack + Graphics)
- Specialized in emerging tech (WebGPU, WebGL)

Projects

- Portfolio Website – React, TailwindCSS
- Research about 3D AI Engine – WebGPU, JavaScript, AI
- Trip Planner App – React, Spring Boot, MySQL
- Full-stack application with JWT authentication, RESTful APIs, and CRUD operations
- Weather App – React, Node.js, Express.js