Bhagyaraj BK

Backend Developer

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💼 PROFESSIONAL EXPERIENCE

Juego Studios Private Limited, Developer 🔗
April 2022 – present | Mangalore, India

🎓 EDUCATION

Bachelor of Technology in Computer Science, Vivekananda College of Engineering and Technology, Puttur, India 🔗

🧠 SKILLS

Programming Languages
Javascript, PHP

Backend Frameworks
NestJs, Express.js, NJS2 (Node.js), Aadya (PHP)

Database Management
MySQL, DynamoDB, MongoDB

Server Management
Deployment (AWS Lambda, AWS EC2, Render), Containerization (Docker)

⌨ MORE PROJECTS

J-hub
- Engineered a comprehensive employee management platform using the Aadya PHP 8.0 framework for Juego Studios.

Falcon Dash 🔗
- Upgraded the backend from Aadya Framework PHP 7.4 to NJS2 Framework.

UFO Filmy Muqabla 🔗
- Developed a NJS1 framework based film trivia quiz game where players can compete in solo, turn-based modes and tournaments.

📁 PROJECTS

Korus Universe 🔗
- Spearheaded the minting of Soundmosaic AI-generated digital music assets with the help of Mintfactory's web3 SDK and ThirdWeb's invisible wallet integration.
- Outcomes included increased user engagement levels and Trending #1 on all chains in OpenSea in 2024.
- Leveraged technologies such as NestJs, DynamoDB, MySQL 8.1, Redis, Jest, and Bitbucket for repository management and CICD pipelines.
- Optimized deployment efficiency by refining server setups on Render servers and reducing the cost by 35%

Super Club Soccer, SCS 🔗
- Developed a massively multiplayer turn-based soccer game for PC supporting over 20 players per match.
- Architected the backend game engine in Node.js v14 using the Express.js framework with Socket.io.
- Authored RESTful APIs in PHP 8.0 using the Aadya framework.

NJS2 CLI 🔗
- Contributed to the CLI tools for NJS2 framework, including a 'package' command for compiling multiple plugin packages across different Node.js versions.
- Simplified installation processes to ensure seamless compatibility with clients' Node.js versions.

NJS2 Private Registry
- Architected a private registry for NJS2 plugins using a Docker image named Verdaccio, providing reliable version control similar to the NPM registry.
- Integrated Microsoft Azure OAuth 2.0 plugins to ensure secure author access.