ALTHAF KHAN M

Metaverse Consultant (React + Three.js + Node Js Developer)
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Objective

Experienced Web Developer with **8+ years** of expertise in **front-end and back-end development,** responsive frameworks, **databases, and Three.js**. Skilled in managing teams, mentoring developers, and training teams to enhance productivity and code quality. Passionate about delivering high-quality solutions, staying ahead of industry trends, and continuously refining my skills..

Skills

1. **Project Architecture:** Designing and implementing scalable, efficient architectures.
2. **Library Development:** Creating reusable libraries and components for optimized development.
3. **Front-End:** Three.js, React.js, jQuery, Bootstrap.
4. **Back-End:** Node.js, Laravel, CodeIgniter, PHP, WebSocket.
5. **Databases:** MySQL, MongoDB, PostgreSQL.
6. **Cloud Services:** AWS (deployment, storage, server management).
7. **Task & Project Management:** Jira, Bitbucket, Git, Sourcetree.
8. **Package Management:** NPM.
9. **Testing:** Front-end & back-end testing, JUnit testing.
10. **Cross-Browser Compatibility:** Ensuring seamless functionality across browsers.
11. **Responsive Design:** CSS media queries, adaptive UI for multiple screen sizes.
12. **API Testing:** Postman.
13. **Version Control:** Git.

Experience

Metaverse Consultant (Web & 3D)

📌 KPMG India Private Limited, Chennai | July 2023 – Present

Senior Developer (Web & 3D)

📌 Augray Private Limited, Chennai | Feb 2022 – July 2023

Senior Web Application & WebGL (Three.js) Developer

📌 ColorWhistle, Coimbatore | Sep 2019 – Feb 2022

Graphic & Web Designer

📌 iSource IT Enabled Services, Chennai | June 2017 – June 2018

Web Designer

📌 iDolph Tech Solution, Salem | Mar 2016 – May 2017

Education

BE in Computer Science & Engineering

AVS Engineering College, Salem | 2012 – 2016

Project Undertaken In Last Three Company

OneBS / OneDS

Tech Stack: React.js, Node.js, MongoDB

- Developed features including user authentication (Register, OTP, Forgot Password, Login), profile management, business functions, and chat.
- Implemented connections, bookmarks, notifications, reporting, and WhatsApp chat integration.
- Added a friend request system where users can send invites; contact and email information is visible only after invite acceptance.
- Users can reject invites and report other users if necessary.
- Built group chat functionality with user invites, group info management, user additions/removals, reporting, and notifications.

CyberX Training

Tech Stack: React.js, Node.js, MongoDB, WebSocket

Developed a **real-time multiplayer quiz game** for cybersecurity awareness and training. The platform allows multiple users to join a quiz session, where roles are assigned randomly. Based on their assigned roles, users receive specific questions, and the system dynamically determines the next question flow based on their responses.

Key Features:

- **Automated Role & Question Assignment:** Users are randomly assigned roles, and questions are distributed accordingly.
- **Dynamic Quiz Flow:** Each player's response influences the next question sequence.
- **Comprehensive Dashboard:** Includes leaderboards, top players/teams, active participants, and performance analytics.
- **Real-time Communication:** Integrated group and private chat for seamless interaction

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Solar Farm

Tech Stack: React.js, Three.js, Node.js

Developed a **3D solar farm experience** with both **self-guided and interactive exploration**. Key features include:

- **Sun Simulation:** Realistic solar movement for an immersive experience.
- **Digital Twin Dashboard:** Provides real-time analytics and monitoring.
- **Interactive Installations:** Users can engage with different elements within the virtual environment.

360° Image Viewer

Tech Stack: React.js, Three.js, Node.js

Implemented a **360° image viewer** with advanced navigation and interactive hotspots. Key features include:

- **Seamless Navigation:** Users can explore panoramic images effortlessly.
- **Interactive Hotspots:** Clickable areas display **popup videos** for enhanced engagement.

Wind Farm

Tech Stack: React.js, Three.js, Node.js

Developed a **3D wind farm simulation** for educational and analytical purposes. Features include:

- **Self & Guided Exploration:** Users can navigate freely or follow a structured walkthrough.
- **Wind Simulation:** Realistic wind dynamics for an immersive experience.
- **Digital Twin Dashboard:** Displays **real-time performance data** and insights.
- **Interactive Installations:** Users can interact with various wind farm components.

ONGC Chat App

Tech Stack: React.js, Node.js, MongoDB, AI

Built an **AI-powered chat application** with a range of advanced communication features:

- **User Authentication:** Secure login and access control.
- **AI Configuration:** Custom AI model integration for intelligent responses.
- **Data Ingestion & Chat History:** Stores and retrieves previous conversations.
- **Note-Taking & Downloadable Chats:** Users can take notes and export chat sessions.

iBot – AI Chat for Medical Assistance

Tech Stack: React.js, Node.js, MongoDB, AWS Polly, Three.js

- Built an AI-driven mental health chat platform with speech synthesis via AWS Polly.
- Integrated mental health tracking, assessments, and therapy recommendations.
- Designed an immersive UI using Three.js for enhanced engagement.

OneXR Showroom

Tech Stack: Three.js, HTML5, CSS3, jQuery, PHP

- Developed an interactive 3D web showroom with product exploration features.
- Implemented 360° navigation, dynamic 3D model integration, and responsive UI.

OneXR Metaverse

Tech Stack: React.js, Three.js, Node.js, Agora Web SDK

- Created a 3D virtual meetspace with real-time voice and text chat.
- Developed customizable 3D avatars and host-controlled event management.

Clapzapp – 3D Avatar Customization

Tech Stack: React.js, Three.js, Node.js, MongoDB

- Built a platform for real-time 3D avatar customization with animations.
- Implemented user-selected attire, facial features, and clothing options.

HCL Virtual Tour Web

Tech Stack: React.js, Three.js

- Developed an interactive 3D virtual tour for HCL's facilities.
- Integrated CubeViewer for 360° images/videos and dynamic content.

Shalimar Paints CMS

Tech Stack: React.js, Node.js, PostgreSQL, Unity

- Built a scalable CMS for content, product, and inventory management.
- Integrated authentication, role-based access, and mobile app support.

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medTech

Tech Stack: WordPress, jQuery, AJAX, PHP, MySQL

- Developed a multi-step form with user input validation, progressing based on previous inputs.
- Implemented a dynamic system to generate certificates as PDFs upon form completion.
- Created a seamless user experience by pre-filling form steps based on previous entries.
- Integrated a mailing system to send generated certificates via email.
- Ensured data security and smooth processing using PHP and MySQL.
- Conducted testing and debugging for optimal performance.

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iDesign

Tech Stack: React.js, Three.js, API, CodeIgniter

- Built a 3D kitchen design tool allowing users to add, edit, and manipulate cabinets, doors, and appliances.Implemented object dragging and rotation for precise placement in the kitchen layout.
- Enabled users to save and reopen kitchen designs with authentication features.
- Developed an admin panel for uploading GLTF models, textures, and templates.
- Integrated API communication between the front-end and back-end for seamless data management.
- Conducted rigorous testing and debugging to enhance performance.

Firehawk Analytics

Tech Stack: Laravel, Bootstrap, Tableau API Developed a web-based analytics platform with real-time data visualization.

- Integrated Tableau API to provide users with dynamic and insightful dashboards.
- Implemented secure authentication and authorization for data protection.
- Built a responsive and user-friendly front-end using Bootstrap.
- Developed backend functionalities for data processing, storage, and retrieval.
- Ensured data synchronization with Tableau for accurate representation.

Personal Details

- **Date of Birth:** 21st July 1995
- **Marital Status:** Married
- **Spouse's Name:** A. Thabasleem

Place: Salem
Date:
Signature: ALTHAF KHAN M