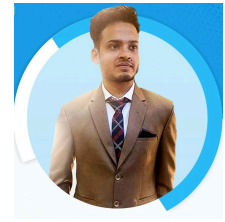


MUHAMMAD AHMER

Full Stack PHP Developer



+49-176-85019379

muhammadahmer.004@gmail.com

<https://iamahmer.com>

WORK EXPERIENCE

11/2020–11/2023 HZ-TECH Software House, Pakistan

Senior Software Engineer

- **BLKEM** (<http://blkem.com/>)
 - Introducing a dynamic African American Empowerment Social Media Platform, headquartered in the United States. Our platform serves as a hub for community interaction, news sharing, and emergency alerts. Built on **Vue JS & PHP-based framework**, our agile team of three passionately develops both the Web App and APIs for the Mobile App.
 - As a key team member, my role revolves around enhancing user experience by adding new features, updating deprecated code, writing store procedures and optimizing overall app performance. Notably, I spearheaded efforts to improve response time, reducing it by a significant **22%** for outdated APIs.
 - Our platform's impact is evident as our user base surged from **950** to nearly **2000** during my tenure. To further bolster performance, I introduced caching with **Memcached**, ensuring smoother user interactions and faster access to critical information.
 - I also ensure the proper testing of overall product by using both manual test cases and automated testing using PHPUnit, as I believe if a product is being made by me it has my stamp on it, so anything that is associated with me I make sure that is done in the best way possible ensuring both product and my credibility.
 - **Technologies Used: Vue JS | PHP | Git | Memcached | AWS | Putty | REST API's | MySQL | AGILE | CSS | Nginx | PHPUnit**
- **Bodenio** (<https://bodenio.de/>)
 - A German based Flooring E-commerce store with more than **1700 Products**, built on the cutting-edge NEXT JS & Wordpress Backend framework.
 - As the Senior Backend Developer in a team of 6 developers, my primary focus was on backend development, feature addition, and data management as well as daily communication with the product owner to ensure everything is upto date and as required by them. I successfully reduced API processing time from 25-seconds, notably achieving a remarkable **100-millisecond** response time for our filter API through innovative caching techniques using Transients in Wordpress Backend.
 - In addition to backend management, I spearheaded the creation and deployment of both the **NEXT JS and Wordpress** applications to Linode Server, leveraging **Docker** for containerized deployment using reverse proxy methods to host both frontend and backend on the same IP but different subdomains.
 - **Technologies Used: PHP | Wordpress | Git | Transients | Linode | Docker | Putty | REST API's | MySQL | Scrum | CSS | Nginx | Stripe | Paypal | Klarna**
- **RARARE**
 - A transformative Welfare Social Platform, proudly based in Nigeria, designed to empower communities through engagement, surveys, reports, blogs, and development proposals, built on **React JS & PHP** backend technologies..
 - As the Seniro backend developer, I worked on the migration of spaghetti code to more organized and OOP based, enhancing scalability and performance. Alongside feature additions, I focused on **database normalization** and introduced **Database Indexing** in MySQL & PostgreSQL, optimizing system efficiency and responsiveness.
 - To ensure a modular and scalable architecture, I implemented **microservices** using the **Lumen Framework**, facilitating a more flexible and maintainable codebase.
 - Moreover, I led the deployment process to a Digital Ocean droplet, leveraging Digital Ocean Spaces for media storage to optimize resource utilization and reduce costs. Transitioning from multiple EC2 instances to a single droplet yielded significant cost savings of up to **1000 USD** per month.
 - Apart from this I was also responsible with the communication with the product owner in order to understand the needs and scope of the product.

- **Technologies Used: React JS | PHP | Codeigniter | Lumen | Microservices | Git | Digitalocean | Putty | REST API's | MySQL | PostgreSQL | Scrum | CSS | Nginx**
- **Smart Tablet**
 - Introducing an innovative Hospitality Product based in Australia, offering a comprehensive suite of features tailored to enhance the guest experience.
 - As the developer responsible for the product, my task was to enhance the overall database performance and address normalization & data storing issues that were causing excessive processing time between the APIs. To achieve this, I streamlined the database by removing unnecessary meta tables, optimized data storage formats, and reduced computational complexity in methods by replacing inner loops with **accessors** and **mutators**.
 - **Technologies Used: Laravel | Git | Cloudways | Putty | REST API's | MySQL | Waterfall Model | CSS**
- **Team Jobs**
 - An innovative Job Portal tailored for the Australian market, where job seekers and employers connect seamlessly. Leveraging my expertise in backend development, I focused on optimizing the **Django Rest framework** backend to ensure a better processing time and a much more modular product.
 - **Technologies Used: NEXT JS | Django Rest Framework | Git | REST API's | MySQL | AGILE | Python**
- **Food Truck Eats (<https://market.foodtruckeats.net/>)**
 - A Subscription Based Food Service & Equipment Platform, located in the United States. built on a custom WordPress plugin developed with a focus on **Behavior-Driven Development (BDD)**.
 - As a Senior Developer, my primary responsibility was to update the plugin with new features and structural enhancements, adhering to WordPress boilerplate standards to ensure optimal performance and scalability. Additionally, I integrated **PayPal recurring payment** functionality.
 - **Technologies Used: Wordpress | Custom Plugin Development | Git | Cloudways | Putty | Scrum | MySQL | HTML | CSS | Paypal**
- **Honest Art (<https://honestart.com/>)**
 - Presenting a streamlined Booking Platform designed specifically for a Painting Studio in the United States. As a backend developer, I was responsible for creating backend APIs in the NEST JS framework, with MongoDB as the NoSQL database. Additionally, I implemented the functionality to store all media in an S3 Bucket, and managed the deployment of the application while overseeing the EC2 Instance.
 - **Technologies Used: NEST JS | MongoDB | Git | AWS | Putty | S3 Bucket | EC2 Instance**
- **Mohasby (Akaunting Software)**
 - A SAAS-based Accounting Platform, built on the Laravel & Vue JS stack, was enhanced by my contributions as a key member of the development team. My primary responsibility involved adding new features and addressing existing bugs to continuously improve the platform's performance and user satisfaction. Additionally, I integrated Apple Pay & Amazon Pay into their WordPress Product website for purchasing subscriptions to the Accounting Platform.
 - **Technologies Used: Laravel | Vue JS | Wordpress | Custom Plugin Development | Git | AWS | Putty | MySQL | HTML | CSS | Apple Pay | Amazon Pay**

2/2019 – 11/2020 **Digi Trestle Software House, Pakistan**

Full Stack Developer

- **Lokal (<https://lokal.pk/>)**
 - Help in development of LOKAL.PK Pakistan's first budget hotel rooms chain, with the focus on safe and secure hospitality in the heart of Pakistan to help uplift local travel & communities.
 - Worked on the Frontend Implementation with Laravel Backend and creation of Vendor Panel with features like Booking, Complain/Requests, Rooms, Services and Guest management.
 - Following MVC design pattern and solid OOP principles help build a system that was modular and reusable in nature.
 - A solid database architecture and code optimization have helped LOKAL expand their business to 11 cities and 34 hotels all over Pakistan.

- **Technologies Used: Laravel | Git | MySQL | HTML | CSS | Local Bank Payment Method | Full Calendar**
- **MCE**
 - Introducing a cutting-edge Supply Chain ERP System meticulously crafted to revolutionize Mehran Commercial Enterprise's operations, replacing outdated manual processes with streamlined automation.
 - Worked with a team of 3 developers in a scrum environment with daily scrum meetings, helping to reach an optimized and explicit ERP system.
 - I developed the Capacity Load Analyzer, designed to calculate the monthly schedule for Production, Procurement, Storage, and Delivery of over **150 products**, dependent on nearly **2000 raw materials**.
 - The introduction of an ERP system has helped MCE reduce labor costs by almost **30%** and the error rate by nearly **70%**.
 - **Technologies Used: Laravel | Git | MySQL | HTML | CSS | Scrum | Javascript | JQuery | PHPUnit**
- **Houselogy (<https://houseology.pk>)**
 - I single-handedly developed a portfolio website for a Pakistan-based interior construction contractor, showcasing over 60 clients across the nation. Serving as a leading-edge interior designer, I employed Agile Methodology to build the platform from scratch. Leveraging Vue JS for real-time user experiences and Laravel backend for streamlined performance, I organized and optimized code efficiency.
 - Introducing database indexing and lazy loading significantly enhanced the platform's speed by nearly **50%**. Moreover, automating unit testing with PHP Unit ensured a nearly **100% bug-free system**, coupled with effective SEO optimization strategies.
 - **Technologies Used: Vue JS | Laravel | Git | MySQL | HTML | CSS | Waterfall Model | PHPUnit | Javascript | JQuery**

TECHNICAL SKILLS

PHP (4 years of Project Experience) | Python (2) | C# (2) | C & C++ (1) | Laravel (4) | Lumen (1) | CodeIgniter (2) | ASP MVC (1) | HTML (4) | CSS (4) | Javascript (4) | JQuery(4) | React JS (1) | Angular JS (1) | Vue JS (1) | Django (2), NEST JS (1) | MySQL (4) | PostgreSQL (2) | MongoDB (1) , Firebase (1) | Bootstrap (3) | AWS (EC2, S3) (2) | Digital Ocean (2) | Linux (2) | Git (3) | Swagger (1) | Typescript (1) | Microservices (1) | Rest APIs (3)

MISCELLANEOUS

- **MS OFFICE**
- **Project Management**
- **Game Development**
- **PHPUnit**
- **Unity**
- **PyGame**

EDUCATION

9/2023 - Now
FAU Erlangen-Nürnberg University
Master of Artificial Intelligence

6/2016 - 6/2020
Sindh Madressatul Islam University
Bachelor of Computer Science

ACHIEVEMENTS

September 2022 Top Performer
 HZ-TECH Software House

December 2021 Employee of the Month
 HZ-TECH Software House

LANGUAGES

English – Bilingual
Urdu – Native
German - Beginner

SOCIAL PROFILE

[Linkedin](#)
[Stackoverflow](#)
[Github](#)