


# Mubashar Khokhar

Software Architect, Senior Software Engineer

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## Skills

- Web Applications
- TD & DD Development
- CI / CD implementation
- SQL (MySQL, PostgreSQL)
- No-SQL (MongoDB)
- Developing RESTful API
- Python APIs (FastApi)
- Project & Team Management
- Infrastructure as Code (IaC)
- GitLab Runner Management
- Microservices architecture (APIs & Security)
- PHP7/8 (Symfony Frameworks, Yii2, Laravel, Drupal7)
- JS frameworks and libraries (NodeJS, Vue3, React, NuxtJs)
- Shell scripting, Linux Server Administration & Git
- AWS (EC2, Lambda, S3, VPC), Docker, Terraform
- Test automation using Selenium and Cucumber
- Experience in team management, code reviewing and mentoring
- Scrum, Agile Software Development /Atlassian Products
- Technical writing, documentation, requirement gathering
- Ollama3, API Integration & Fine-tuning LLMs, Prompt Engineering

## Languages

English (Fluent / Professional)      Deutsch (B2 / Verhandlungssicher)

## Experience

**Senior Software Entwickler**      Jul 2024 - Present  
**Berlin Solutions GmbH**

- Developing and managing Deutsche Bahn-collaborated projects using PHP, Joomla, AWS, Docker, MongoDB and shell scripting for robust infrastructure and application solutions.
- Driving CI/CD implementation for existing projects in GitLab and optimizing workflows with Docker-based solutions.
- **Tech stack:** PHP/Joomla, MariaDB, AWS, Docker, Shell, MongoDB.

**External Consultant & Developer**      May 2024 - Present  
**Docunout GmbH & Belegebox (Part-Time/Remote)**

- Developing and fine-tuning LLMs using Ollama3 for automated document processing, including reading uploaded text, categorizing files, assigning them to relevant users, and integrating APIs with advanced prompt engineering.
- Specializing in advanced LLM development, including Ollama3 integration, API integration, fine-tuning, and prompt engineering for AI-driven solutions.
- Developing an Optical Character Recognition (OCR) API using Python and FastAPI.
- Designed and implemented a backend solution to optimize PDF files and images for efficient text extraction. Enhanced security using JWT for authentication.
- Implemented batch file processing with queuing and integrated webhooks for real-time updates. Utilized cloud file storage solutions such as AWS S3 and MinIO for scalable and reliable data storage.
- **Tech stack:** Ollama3, Open WebUI, Python3/FastAPI, Postgresql, Linux/Docker, MinIO, PHP/Laravel

**PHP Backend Developer**

Oct 2022 - Jan 2024

**AlsterSpree Verlag GmbH, Berlin - Germany**

- Crafted a robust multisite CMS platform tailored for companies within the insurance industry to publish their content effectively and to a larger audience, leveraging PHP/Statamic 3, Vue3, & MySQL.
- Implemented cutting-edge web development techniques, optimizing website speed by 40% and reducing bounce rate by 25%, resulting in a 15% increase in online sales revenue.
- **Tech stack:** PHP/Laravel, MySQL, VueJS/NuxtJS, Linux/Docker, AWS S3.

**Senior Software Engineer**

Apr 2018 - Sep 2022

**Gastfreund GmbH, Berlin - Germany**

- Successfully decoupled a large monolithic application into smaller independent microservices, leveraging my expertise in backend development to build robust APIs using Yii2 and Laravel frameworks.
- Successfully decoupled a large monolithic application into smaller independent microservices, leveraging my expertise in backend development to build robust APIs using Yii2 and Laravel frameworks.
- Also mentored 2-3 junior developers and shared my expertise in coding best practices to help them grow their skills.
- **Tech stack:** PHP/Laravel/Symfony/Yii2, MySQL, NodeJs/MongoDB, Linux/Docker, AWS S3.

**Software Engineer**

Nov 2016 - Mar 2018

**Move24 Group GmbH, Berlin - Germany**

- Led the development of a user-friendly platform enabling B2C customers to access affordable moving services across multiple European countries, resulting in a successful launch that streamlined the moving process and provided customers with reliable and cost-effective services.
- Designed and built 2 APIs for PDF report generation and invoicing, SSO feature for user authorization and authentication and order management admin portal.
- **Tech stack:** PHP/Laravel/Symfony, MySQL, Linux/Vagrant, Selenium + Cucumber.

**Master Thesis Student (Technical Lead)**

Feb 2015 - Oct 2016

**NETVAI UG, Kiel Germany**

- Conceptualized and engineered the comprehensive system architecture using Drupal7 framework and JQuery.
- Strategized a business model and wrote a business plan leveraging the robust Business Model Canvas framework as the cornerstone for my thesis and master project.
- Demonstrated advanced proficiency in strategic planning, meticulously documenting intricate technical details, and orchestrating cohesive system designs, reflecting a mastery of both theoretical and practical aspects of software engineering and strategic planning.
- **Tech stack:** PHP/Drupal7/Laravel, MySQL, Linux/Vagrant/Shell, Selenium/Cucumber

**Key Achievement:**

- Won the German Association of Movers and Logistics (AMO) e.V., MoLo award for "*Product Innovations for the Industry*", which was a great achievement for the company. (<https://moelo.de/en/#program>)

**PHP Developer**

Mar 2014 - Jul 2014

**naymspace software GmbH, Kiel - Germany**

- Crafted WordPress plugins adhering to XLIFF standards, ensuring seamless integration and internationalization capabilities.
- Orchestrated PHP and Symfony framework integration with Node.js to develop a robust e-commerce platform; optimized backend processes, resulting in a 40% increase in site speed and a 25% reduction in bounce rate.

**Senior Software Engineer**  
**Folio3 Pvt. Ltd, Karachi - Pakistan**

May 2012 - Sept 2013

- Designed and developed a social networking platform for executives and CEOs, combining the functionality of Facebook and LinkedIn.
- Implemented features such as social login, user profiles, newsfeed, messaging, groups, and events.
- **Tech stack:** PHP/Drupal7, MySQL, Linux/Shell.

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**Web Developer**  
**Game Ventures Pvt. Ltd., Karachi - Pakistan**

Oct 2010 - Mar 2012

- Designed and developed an analytics tool using PHP and MongoDB for a high volume game & integrated social platform components. Integrated the analytics tool with the game server for real-time data collection and analysis.
- Engineered a system to monitor application performance and alert stakeholders of any potential issues.
- **Tech stack:** PHP/CodeIgnitor, MySQL/MongoDB, Linux/Shell

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**Web Developer**  
**Parse Ten Inc., Karachi - Pakistan**

Mar 2009 - Oct 2010

- Refactored legacy code to improve reliability, scalability and maintainability. Developed a content management system for a media company that reduced maintenance costs by 35%.
- **Tech stack:** PHP, MySQL, Facebook API, Google APIs.

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**Projects**

- <https://belegebox.de/>
- <https://gastfreund.net>
- <https://vislog.net>

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**Certifications** AWS Certified Solutions Architect - Associate

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**Education** **Masters Information Technology**  
**Fachhochschule Kiel, Kiel Germany**

Oct 2013 - Feb 2017

- **Master Thesis Topic:** VisLog | Providing a platform for umbrella organisations for moving companies and developing a long-term business strategy for the portal.
- **CGPA:** 1.7

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**BS Computer Science**  
**University of Karachi, Karachi - Pakistan**

Jan 2006 - Dec 2010

- **CGPA:** 2.55