# **Mubashar Khokhar**

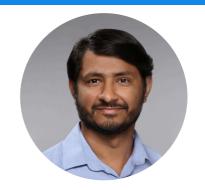
Software Architect, Senior Software Engineer

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Perlin, Germany

in https://www.linkedin.com/in/mubasharkk

https://github.com/mubasharkk



#### **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), Dockers, 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 Berlinux Solutions GmbH

Jul 2024 - Present

- 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, Dockers, Shell, MongoDB.

### External Consultant & Developer Docunout GmbH & Belegebox (Part-Time/Remote)

May 2024 - Present

- 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

- Crafted a robust multisite CMS platform tailored for companies within the insurance industry to publish they content effectively and to 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 Gastfreund GmbH, Berlin - Germany

Apr 2018 - Sep 2022

- 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 Move24 Group GmbH, Berlin - Germany

Nov 2016 - Mar 2018

- 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, Selinium + Cucumber.

## Master Thesis Student (Technical Lead)r NETVAI UG, Kiel Germany

Feb 2015 - Oct 2016

- Conceptualized and engineered the comprehensive system architecture using Drupal7 framework and JQuery.
- Strategize 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.
- $\bullet \quad \textbf{Tech stack:} \ PHP/Drupal7/Laravel, MySQL, Linux/Vagrant/Shell, Selinium/Cucumber\\$

#### **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 naymspace software GmbH, Kiel - Germany

Mar 2014 - Jul 2014

- 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.

- 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.

### 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

### 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.

# **Projects**

- https://belegebox.de/
- https://gastfreund.net
- · https://vislog.net

#### Certifications AWS Certified Solutions Architect -

Associate

#### **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

# BS Computer Science University of Karachi, Karachi - Pakistan

Jan 2006 - Dec 2010

• CGPA: 2.55

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