



Furqan Mehmood

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ABOUT ME

I have **10+ years** of experience engineering and scaling enterprise B2B systems. I specialize in building **full-stack** solutions, from designing reliable **REST APIs** to untangling legacy monoliths into clean, modular architectures. I'm looking to step into a Lead or Associate Architect role where I can drive technical strategy and high-level design while using **AI-augmented** workflows to stay fast and precise with implementation.

WORK EXPERIENCE

Parkefficient GmbH – Düsseldorf, Germany

Senior Full Stack Developer

[01/11/2022 – Current]

- Developed full-stack modules and optimized resource utility for the ParkEfficient and OfficeEfficient platforms, engineering high-performance features that support 300+ enterprise clients.
- Led and co-developed front-end & hybrid Vue.js apps (web/mobile) featuring interactive maps for live workspace and resource monitoring.
- Improved API response times by moving calendar syncs, notifications, and hardware triggers to an event-driven architecture using Laravel Queues/Jobs.
- Integrated third-party cloud APIs for IoT hardware (license plate cameras, boom barriers, EV chargers, room panels) and implemented SAML SSO.
- Sped up admin dashboard development using PHP Filament and supported a high-availability server setup (load balancers, active DB replication).

Linear GmbH – Aachen, Germany

Software Developer

[01/07/2020 – 28/10/2022]

- Architected and drove full-stack development for a MERN-stack BIM web app, migrating the legacy system from Ruby to Node.js and React.
- Built custom REST APIs for material and cost estimations, implementing a Redis message queue to handle heavy background calculations without blocking the main thread.
- Owned the complete software lifecycle for the Flaechenheizung vendor platform, taking full responsibility for system design, coding, and testing.
- Developed a React app utilizing Jira Service Management APIs to optimize client support workflows with custom filtering, searching, and voting features.

Exultec Concepts GmbH – Aachen, Germany


Full-Stack Developer

[01/11/2017 – 30/06/2020]

November 2017 - May 2020 (Part-time working student 16hr/week)

June 2019 - June 2020 (Full-time)

- Developed REST APIs using LoopBack and built Angular frontend components for a custom Business Process Management (BPM) platform.
- Implemented full-stack features for resource optimization, including shift planning, time tracking, and capacity pooling.
- Automated billing, accounting, and contract management workflows to significantly reduce manual invoicing efforts.
- Built and deployed a cross-platform mobile app using Ionic to digitize and streamline the invoice claim process.

 **Ediflow GmbH** – Brühl, Germany

Working Student Front-End Developer

[01/03/2017 – 30/10/2017]

- Developed frontend UI modules using AngularJS for Inqoice, a web application focused on business process optimization.
- Wrote and maintained unit tests using the Jasmine framework to verify component functionality and ensure frontend performance.

 **Goodcore Software Pvt Ltd** – Karachi, Pakistan

Software Engineer

[01/06/2015 – 08/08/2016]

- Developed and maintained MVC web applications across various business domains using PHP frameworks (Laravel, Yii, Yii2).
- Built custom backend components for enterprise platforms, specifically EZ-Scheduler 2.0 and the Malaysian Medical Association (MMA) membership portal.
- Provided 16 months of dedicated production support, diagnosing and resolving live system bugs for corporate clients like RelACS (SIRVA) and Vitcomex.

 **Buonosource Pvt Ltd** – Karachi, Pakistan

SQA Intern

[01/06/2014 – 06/2014]

- Conducted manual Software Quality Assurance (SQA) testing on the payroll module of an Enterprise Resource Planning (ERP) system.
- Executed test cases and documented software defects to ensure the accuracy of financial calculations and module stability.

SKILLS

Programming Languages & Frameworks

Angular.js / Bootstrap / Express.js / FilamentPHP / HTML / Ionic / JavaScript / Laravel / Loopback / MaterialUI / Node.js / PHP / React.js / Redis / SQL / Tailwind CSS / TypeScript / Vue.js / Yii

Software Architecture & Development Practices

Agile / API-first development / Authentication (JWT, OAuth 2.0) / CI/CD / EDD / Eloquent ORM / Event Driven Architecture / Full-stack development / GDPR compliance / Internationalization (i18n) / IoT / Kanban / Load balancing / Microservices / MVC architecture / Modular Monolith / MVP / SOLID principles / System Decoupling / Performance optimization / REST APIs / Peer reviews / SaaS / SAML SSO / Server-side rendering / Scrum / TDD / Unit Testing

Databases

MariaDB / MongoDB / MySQL / PostgreSQL / SQLite

Softskills & Communication

Adaptability / Agile Methodologies / Client Relationship Management / Collaboration / Conflict Resolution / Constructive Feedback / Continuous Learning / Critical Thinking / Mentoring / Problem Solving / Remote Work / Team Leadership / Technical Communication / Time Management / Cross-functional Collaboration

EDUCATION AND TRAINING

MSc Media Informatics

RWTH Aachen [01/10/2016 – 30/04/2019]

City: Aachen | Country: Germany | Website: www.rwth-aachen.de | Level in EQF: EQF level 7

BS Computer Science

National University of Computer & Emerging Sciences - FAST [01/08/2011 – 31/05/2015]

City: Karachi | Country: Pakistan | Website: <https://nu.edu.pk/> | Level in EQF: EQF level 6

Higher Secondary Education in Pre-Engineering

DJ Science College [01/08/2009 – 31/05/2011]

City: Karachi | Country: Pakistan | Website: <https://www.biek.edu.pk/>

LANGUAGE SKILLS

Mother tongue(s): Urdu

Other language(s):

English

LISTENING C2 READING C2 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

Turkish

LISTENING A2 READING A2 WRITING A1

SPOKEN PRODUCTION A1 SPOKEN INTERACTION A2

German

LISTENING C1 READING C1 WRITING B1

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

Arabic

LISTENING A1 READING A2 WRITING A1

SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user