



# Furqan Mehmood

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## ABOUT ME

**Senior Full-Stack Engineer** with 10+ years of experience building and scaling enterprise B2B systems. I specialize in decoupling legacy monoliths, designing reliable REST APIs, and automating complex business workflows. I am looking to step into a Lead or Associate Architect role where I can drive technical strategy while remaining hands-on with the code.

## WORK EXPERIENCE

### Parkefficient GmbH – Düsseldorf, Germany

#### **Senior Full Stack Developer**

[ 01/11/2022 – Current ]

- Scaled a B2B Laravel monolith (ParkEfficient & OfficeEfficient) for 300+ enterprise clients by decoupling components and designing REST APIs.
- 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**

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### **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

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### MSc Media Informatics

**RWTH Aachen** [ 01/10/2016 – 30/04/2019 ]

City: Aachen | Country: Germany | Website: [www.rwth-aachen.de](http://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

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Mother tongue(s): Urdu

Other language(s):

### English

LISTENING C2 READING C2 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

### German

LISTENING C1 READING C1 WRITING B1

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

### Turkish

LISTENING A2 READING A2 WRITING A1

SPOKEN PRODUCTION A1 SPOKEN INTERACTION A2

### 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