

Ahmed Elaaser

Senior Software Engineer | Solution Architect

Full-Stack & Backend Developer | PHP, Node.js, JS/TS, C++, SQL

Künzelsau, Baden-Württemberg, Germany. (Open to relocation)

+491717432676 | ahmed.abuelmakarem@gmail.com

LinkedIn: <https://www.linkedin.com/in/ahmedabuelmakarem/>

Eligibility to work in Germany: Yes



Professional Summary

Senior Software Engineer / Solution Architect with 20+ years of experience specializing in API integrations, distributed systems, and cloud-native architectures. Proven track record delivering scalable, high-performance solutions for international clients across Europe, the USA, and the Middle East in both remote and on-site environments.

Demonstrated expertise across the full software development life cycle, from architecture and development to deployment and operations. Strong background in designing secure, scalable systems and leading complex integrations across diverse platforms.

Experienced in cloud platforms, DevOps practices, and modern full-stack development, with a focus on building reliable, maintainable, and cost-effective solutions that align with business goals.

Technical Skills

- **Languages & Frameworks:** JavaScript, TypeScript, React, Node.js, PHP, Laravel, Symfony, Python, ASP, C, C++, Bash
- **Front-End:** React, Vue.js, HTML5, CSS3/SASS, Bootstrap, jQuery, AJAX
- **Back-End & Databases:** Node.js, PHP, Python, MySQL, MSSQL, Oracle, NoSQL
- **Architecture & Integrations:** REST APIs, Custom API Design, EDI, Microservices, CRM, PBX, ODM
- **DevOps & Cloud:** AWS, Azure, GCP, Docker, Git, GitLab, Bitbucket, CI/CD Pipelines, Jira
- **Servers & Platforms:** Linux, Windows Server, IBM AS/400 (IBM i / iSeries), cPanel, Plesk, WHM
- **Security & Compliance:** Network Security, HIPAA, InfoSec Compliance, Disaster Recovery
- **Methodologies:** Agile/Scrum, ITIL, Lean Six Sigma Yellow Belt

Professional Experience

Independent Projects & Professional Development

Oct 2023 – Present

Germany

- Developing Onyxberg.com (personal project), focused on scalable architecture and modern web technologies.
- Advancing software engineering skills through intensive training at **42 Heilbronn**.
- Studying German language to support integration into the German tech market.

Freelance - Full Stack Developer / Solution Architect

Jul 2016 – Oct 2023 (Part-time alongside full-time roles)

Selected International Clients: USA, UK, Switzerland, France, UAE, Ukraine (confidential engagements)

- Architected and delivered scalable web and CMS/CRM solutions for 10+ international clients, enhancing system reliability and operational efficiency.
- Designed a HIPAA-compliant homecare system handling thousands of patient records, reducing administrative work by 60–70% and integrating Bitrix24 and Asterisk.
- Built a high-performance campaign management platform featuring AI-driven autopilot capabilities, reducing manual campaign setup time by 80% and optimizing campaigns through real-time KPI tracking.
- Integrated 36+ third-party systems via REST APIs and custom connectors, enabling seamless data exchange across client ecosystems.

EDETEK, Inc. - Senior Solution Architect

Aug 2020 – Jul 2023

Remote (USA) | Based in Kyiv, Ukraine

- Designed reusable integration frameworks connecting data providers (hospitals, labs, medical devices) with the CONFORM clinical data platform, reducing partner onboarding time by 35%.
- Authored integration specifications and led API, FTP, EDI, and ODM implementations for clinical trial data exchange.
- Resolved complex data issues and optimized validation workflows, improving accuracy and processing efficiency.
- Led technical solutioning with clients, enabling seamless onboarding of new partners and data sources.

ABMS Group (OUS Royal Academy) - IT Manager / Full Stack Developer

Aug 2017 – Aug 2020

Remote (Switzerland) | Based in Kyiv, Ukraine

- Developed a custom online education platform used by thousands of students, improving scalability and reliability.
- Automated exam and grading processes, reducing manual workload by 45–50%.
- Enhanced CRM and WordPress systems, improving performance and reducing page load times by 30%.
- Managed Linux server environments, ensuring 99.9% uptime through proactive monitoring.

Xerox Egypt - Senior System Manager

Jun 2004 – Jul 2016

Cairo, Egypt

- Led legacy-to-modern system integrations, improving data flow and reducing processing delays by 60%.
- Developed and maintained enterprise-scale internal applications, enhancing automation and usability.
- Managed IBM AS/400 (IBM i / iSeries) environments, ensuring 99.9% availability and reliable disaster recovery.
- Successfully handled multiple disaster recovery incidents, achieving zero data loss and no business downtime.

Arab African International Bank (Former Misr America International Bank) - System Operator/Administrator

May 2003 – June 2004

Cairo, Egypt

- Maintained internal banking systems and automated routine tasks (20–30% efficiency gain).
- Worked extensively with IBM AS/400 (IBM i / iSeries), handling backups, disaster recovery, and operations.

Education

- Software Engineering - 42 Heilbronn, Heilbronn, Germany (Apr 2024 – Present)
- International Diploma in Business (Advanced Level) - University of Cambridge, UK (Oct 2013)
- Bachelor of Computer Science - The Higher Institute for Advanced Studies, Egypt (June 2002)

Languages

- Arabic – Native
- English – Fluent
- German – A2 (actively improving)

Additional Training & Certifications

Oracle Database, Cisco Networking, Information Security, Linux Systems, ITIL Foundation, Lean Six Sigma

Achievements

- Delivered multiple complex integration projects as lead architect for international clients.
- Egyptian National Taekwondo Champion (1998–2002).
- Collaborated with clients across the USA, Canada, Europe, and the Middle East.