Erfan Taghvaei
Web Application Developer

📇 Contact

- 📞 +49 157 35338285
- ✉️ etaghvaei0098@gmail.com
- 📍 Kaiserslautern, Germany
- 🎓 RPTU Kaiserslautern
- ⌨️ erfantagh.github.io
- 🔗 linkedin.com/in/erfan-taghvaei-2b9313255

🔀 Projects

AAS Sanity Project for DFKI Smart Factory

Web application for university project with Bootstrap frontend and Flask backend. JSON file upload with automatic analysis through 18 rules, interactive validation by users, and multi-threading optimization for better performance. Fully containerized with Docker Compose.

Python · Flask · REST API · Multi-Threading · Bootstrap · Docker · NGINX

RecallCards   ⎋ View Project

Fully developed flashcard application with React frontend and Flask backend. User authentication via Auth0, card creation and storage for spaced repetition. Docker-containerized with NGINX and GitHub Actions CI/CD.

React · Flask · Redis · Auth0 · Docker · NGINX · GitHub Actions

⚙️ Certifications

MongoDB Associate Developer   MongoDB
2024

⎋ View Credly Badge

🔤 Languages

English	C2
German	C1
Persian	C2

💜 Interests

Running · Cycling · Language Learning

💼 Work Experience

React Native Developer *(Working Student)*

🏢 Neocosmo   *Feb 2022 - Feb 2024*

📍 Saarbrücken, Germany

- **Full-Stack Software Development:** Two years developing modern software solutions with JavaScript/TypeScript for multiple major client projects (PIIPE, KVNO, Riniger, Festo, Hochschule Kempten).
- **Code Quality & Best Practices:** Performed JavaScript-to-TypeScript migration with comprehensive type definitions for type-safe development, code reviews, and adherence to coding standards.
- **Testing & Debugging:** Implementation of E2E tests, unit tests, code analysis, and systematic debugging for stable, high-quality software solutions.
- **Agile Software Development:** Complete development process from design through implementation to deployment – CI/CD pipelines, build automation, and agile team collaboration.
- Independently handled complex features over two months with direct client communication, analysis, design, and successful completion.

JavaScript · TypeScript · Git · CI/CD · Testing · Debugging · Agile · Code Reviews · Software Development · Code Quality · Testing & Debugging · Agile Methods

Java Developer *(Working Student)*

🏢 Magiavas   *Sep 2017 - Sep 2019*

📍 Tehran Province, Iran

- **Java Software Development:** Two years practical experience with Java – strong knowledge in OOP principles, design patterns, and software development concepts.
- **Database Integration:** Working with databases, SQL queries, data persistence, and CRUD operations for dynamic applications.
- **REST API Development & Testing:** Implementation of API clients, HTTP request handling, JSON parsing, plus unit testing and debugging of Java applications.
- **Software Architecture:** Development of structured, maintainable software solutions with MVC pattern and best practices for clean, documented code.

Java · OOP · SQL · REST API · JSON · MVC · Git · Debugging · Java Development · Database Integration · API Development · Software Architecture

🎓 Education

Master of Computer Science

RPTU Kaiserslautern   *October 2021 - Present*
Kaiserslautern, Germany

Foundations of Software Engineering · Network Security · Product Line Engineering · Social Web Mining · Data Visualization · Foundations of Digital Farming

Bachelor of Software Engineering

Tehran Azad University   *March 2017 - August 2021*
Tehran, Iran

Operating Systems · Computer Networks · Data Structures and Algorithms · Object-Oriented Programming · Java Programming · Compiler Design