Mehmet Arif Emre Şen

Personal Info

Phone: Contact thorugh mail if needed
E-Mail: maemresen@yazilim.vip
Gender: Male
Birth Date: Bandırma/1997
Martial Status: Single
Nationality: Turkish
Driver License: B
Personal Page: https://maemresen.github.io
LinkedIn : https://www.linkedin.com/in/maemresen
GitHub : https://github.com/maemresen
GitLab : https://gitlab.com/emresen

Languages

English

Reading: Very Good **Writing:** Good **Speaking:** Good

Education

Undergraduate

Akdeniz University, Antalya
Computer Science Engineering(2015 – 2019)

High School

Antalya High School, Antalya
Matematik-Fen (2011 – 2015)

Skills

Programming Languages

Basic: Python
Intermediate: Kotlin, Bash Script, JavaScript, HTML, CSS
Advance: Java

Qualifications

- Frameworks: Spring Framework Ecosystem (Spring Boot, Spring Cloud, Spring Security, Spring Web etc.)(Advanced), Primefaces
- Libraries: React JS
- RDBMS: SQL, MySQL, PostgreSQL, ORM(MyBatis, Hibernate)
- Build Tools: Maven, NPM, Yarn
- Project Management: Jira, GitLab
- VCS: Git, SVN
- Object Oriented Paradigm
- SOLID Principles
- Software Architecture Design (Back-End Heavily: DB + Business Layers)
- Microservices Architecture (Spring Boot)
- Multi Module Project Structure (with maven)
- Centralized Authentication (OAuth 2.0 Spring Security + Keycloak)
- CI Tools (Jenkins, GitLab CI, etc.)
- Linux Server Management, Linux Terminal
- Effective Search Engine Usage
- Office Apps

Experiences

Work Experiences

R & D Software Engineer

Date: 07/2018 - 08/2020 (2 year 1 months)
Company: Cantek - **Place:** Antalya
Goal:
Development of Industrial Control Systems (ICS) and
Early Warning Systems (EWS) with local device or
cloud server based web applications for industrial
storage and vertical plant factories.
Job Description:
ICS systems are generally managed autonomously by
controller devices consisting of PLC or electronic cards
developed with embedded software. By communicating
with the controller devices, the necessary data is sent to
the monitoring system designed with micro service
architecture in cloud servers. Designing software that
offers analytical solutions over large data sets created in
the cloud environment, developing it with software and
embedded software teams.
- Using Hybrid Database Architectures with combining
PostgreSQL + Cassandra technologies
- Developing Java Microservices with Spring Boot
(mostly Spring Framework Core, Spring Security and
Spring Cloud Modules)
and deploying them as Docker containers on the server
- Configure a system running on the Ubuntu 16.04
server and apply DevOps using CI/CD Softwares
running inside separate Docker containers.
— Managing source code via GitLab
— Compiling Spring Boot applications with Maven via
Jenkins
— Serving JARs on the JFrog Artifactory via Jenkins
- An architectural infrastructure design and
development that provides central authentication using
Keycloak and OAuth2 protocol **-** Event-driven
architectural infrastructure design and development
with RabbitMQ
Outcome:
A customizable system solution has been provided to
solve the problems in the old system and to meet the
requirements requested by the users from the old
system.

Java Developer

Date: 06/2016 - 06/2018 (2 year)
Company: Akdeniz University BAUM - **Place:**
Antalya
Goal:
Implementing a computer-based assessment system for
educational assessment.
Job Description:
- Developing Java Web Apps (Spring MVC) with using
Spring framework
- Providing communication between web apps and
database over RESTful Service
- Compiling applications with Maven, sending them to
the SVN environment, serving them on the Tomcat
Server via Jenkins.
Outcome:

Use of information technology in assessment for
educational assessment

Start-Up Projects

Yazilim VIP (https://wwww.yazilim.vip)

Date: 07/2018 - Present
To keep this platform open to everyone who is competent and willing to share what we call an open source world. A platform aimed at presenting our competencies to the open source world without waiting for a response.

Open-Source Projects

Check my GitHub for my other Open-Source projects
https://github.com/maemresen

Spring VIP

Link: https://springvip.yazilim.vip/
A Java Spring Library that provides helpful generic and utility classes. Some of the features provided by the library are generic CRUD Service and Rest controllers. maescript

Maescript

Link: https://yazilim-vip.github.io/maescript/
A very useful set of Linux commands

React HowTo

Link: https://github.com/yazilim-vip/howto-react

Reusable component library for ReactJS

Side Projects

IconConference2017 Website

Custom-designed WordPress theme for the customer. The theme also includes a basic file upload mechanism. The theme was used for IconConference 2017 conference website.

Senior Design Project

Face Recognition based
Class Attendance Tracking System

The main motivaton of that project is creating a platform which makes use able to both taking and tracking attendance digitally without wasting time.

Attended Organizations

GDG 2019 : Participant
ICAIME 2019 : Participant
Linux Seminar: Undergraduate Seminar
3. Antalya Bilim Şenliği : Participant
UBMK 17 : Crew

Publications

[1] Canberk Ardıç, Mehmet Arif Emre Şen, and Mehmet Karakoç. "RESTful Web Servisleri ve Android Kullanılarak Genel Bir Kullanıcı Doğrulama Sisteminin Arduino Mikrodenetleyici Kart ve RFID Teknolojisi ile Tasarımı ve Gerçekleştirimi". In: *Türkiye Bilişim Vakfı Bilgisayar Bilimleri ve Mühendisliği Dergisi* 12 (2019), pp. 19–29. ISSN: 1305-8991.

[2] Mehmet Karkoç, Alperen Aksoy, Mehmet Arif Emre Şen, and Melih Günay. "Outcome Focused Computer Based Assessment System using Intelligent Shuffling Algorithm". In: *26th International Congress on Educational Sciences* (2017), pp. 1459–1460.