

# Mehmet Arif Emre Şen

## Personal Info

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**Phone:** Contact thorough 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

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### English

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

## Education

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### Undergraduate

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

### High School

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

## Skills

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### 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

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### 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

**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

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### Yazilim VIP (<https://www.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

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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

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### 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

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### Face Recognition based Class Attendance Tracking System

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

## Attended Organizations

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**GDG 2019 :** Participant

**ICAIME 2019 :** Participant

**Linux Seminar:** Undergraduate Seminar

**3. Antalya Bilim Şenliği :** Participant

**UBMK 17 :** Crew

## Publications

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- [1] Canberk Ardiç, 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.