



# HACI CELAL AYGAR

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## EDUCATION

2013/09 – 2017/09 **Karabuk University, 2,87 / COMPUTER ENGINEER**

2008/09 – 2013/07 **Anadolu University, 2,32 / İKTİSAT**

2003 – 2007 **Demetevler Mimar Sinan High School**

## WORK EXPERIENCE

- 2025/05 – Present **Free Lancer, Full Stack & Java Developer**  
Ankara
- The backend of a mobile application called Domain Track was built using Java and microservice architecture.
  - The backend of a mobile application called Lingua Bubble was also built using Java and microservice architecture.
  - I am currently developing a horoscope application called Burç App, handling both the mobile and backend development.
  - I have also developed a job tracking system, handling both the backend and frontend development. (<https://www.probablythebestever.info>)
  - I am handling unit test coverage for the backend of these projects.
  - I deploy the projects using Docker.
  - We have deployed the projects by turning a computer we set up at home into a server.
- Tools & Technologies:** Microservices, Java 21 Spring Boot, Spring WebFlux, Spring Security, JPA, Hibernate, MongoDB, Next.js, Next Auth, Tailwind, TypeScript, Redux Toolkit, Radix UI, Docker, REST API, Redis, Apache Kafka, Python, Flask API, Flutter, Dart, Linux, Nginx, Ubuntu Server, Git, GitHub, HTML5, CSS3.
- 2024/06 – 2025/05 **FMSS Bilişim Teknoloji, Full-stack Developer & Java Developer**  
Ankara, TURKEY
- This project is about money transfer
  - Working in Microservices projects and monolithic project
  - Bug fixes, new features created on the frontend and backend, new improvements made on existing features
  - Upgrading Spring boot version to 3 from 2, Java version to Java 17 from Java 11 in 2 microservices
- Tools & Technologies:** Microservices, Java 11-17, Spring Boot, React Js, Kafka, Redis, JPA, Hibernate, Feign Client, Maven, Oracle, Kafka, Redis, Docker, OpenShift, Tailwind, HTML, CSS, Git, Jenkins, Jira, Confluence.
- 2022/04 – 2024/06 **Orion BT Bilişim Hizmetleri, Full-stack Developer & Java Developer**  
Ankara, TURKEY
- VODAFONE project ( 01/2023 - 06/2024 )**
- Bug fixes, new features created on the frontend and backend, new improvements made on existing features
  - Working in Microservices projects
  - Upgrading Spring boot version to 3 from 2, Java version to Java 17 from Java 11 in some microservices
  - Creating common general library and common authorization library to use for all of java Microservices.
  - Using Feign Client for inter-microservice communication.
  - Usage of Junit and Mockita for Unit Test Coverage.
- Tools & Technologies:** Java 11-17, Microservices, Spring Boot, Angular Js, JPA, Hibernate, Apache Kafka, Kafka, Redis, Mongo DB Docker, HTML, CSS, Git, Jira, Jenkins, Kubernetes, Lens
- Private project for the MINISTRY OF INTERIOR ( 04/2022 - 01/2023 )**
- Building over Authorization in frontend and backend for users.
  - Working in Microservices projects
  - Bug fixes, new features created on the frontend and backend, new improvements made on existing features
  - Creating microservice by using Spring boot, Redis Graph.
  - Creating microservice by using Spring boot, Kafka to push data to Kafka Topic from Data Base periodically.
  - Changing main module template in Frontend
  - Using Trigger and Procedure as function on Plpsql for java listener service to listen trigger action.

**Tools & Technologies:** Microservices, Java 8-11, Spring Boot, React Js, Spring Data, Elastic Search, JPA, Hibernate, Apache Kafka, Liquibase, Redis Graph., PostgreSQL, Rancher, Docker, Kubernetes, React Js, Context-API, Tailwind, HTML, CSS, Git, Redmine, Linux, Jenkins

2021/08 – 2022/02  
ANKARA, TURKEY

**Obss - Open Business Software Solutions, Full Stack Developer & Java Developer**

- Working at ASELSAN project for OBSS
- Working in Microservices projects
- Bug fixes, new features created on the frontend and backend, new improvements made on existing features
- Drawing operations were carried out on the map by communicating with 3rd party services.
- Using Git as version control system
- Using TFS and Jira to follow tasks

**Tools & Technologies:** Microservices, Java 11, Maven, Spring boot, React JS, JPA, Hibernate, Mobx, Docker, Kubernetes, Flayway, Javascript, Hibernate / ORM, Git, PostgreSQL, Apache Kafka HTML, CSS,

2020/11 – 2021/06  
ANKARA, TURKEY

**Via Computer Systems, Full stack Developer & Java Developer**

- An order management system is made for the pharmaceutical warehouse.
- I have created Authentication and Authorization in frontend and backend.
- Member registration, entry and exit procedures have been created.
- A free theme is determined to be used within the project and is fragmented and placed within the project.
- Export, Campaign Drug, Packaging and some part of Accounting and Logistics modules were made and built.

**Tools & Technologies:** Java 8, Maven, Spring boot, React JS, Redux, JPA, Hibernate, Git, Html, Css, Bootstrap 4, PostgreSQL 12.5,

2019/12 – 2020/07  
ANKARA, TURKEY

**ERC Grup Mühendislik, Danışmanlık ve ARGE Hizmetleri, Java Developer**

- Adding new screens to the modules, adding new features to certain screens.
- Bug fixes, new features created on the frontend and backend, new improvements made on existing features
- integration, design and using of Jasper report
- Building R&D project about web push notification

**Tools & Technologies:** Java, Spring, Spring boot, Jdbc, Hibernate/ORM, Swing, Maven, Mercurial (TortoiseHg), Oracle, DB2, Python, iReport, React js, Node js,

2016/08 – 2016/09  
ANKARA, TURKEY

**Tesla Otomasyon Mühendislik, Engineering- Intern**

- A job tracking system, including the membership system, where the contents of the work done and to be done are explained, has been made.
- **Tools & Technologies:** Java, Spring Boot, Hibernate/ORM, Thymeleaf, Bootstrap 3, Html5, Css3, Mysql.

2016/07 – 2016/08  
ANKARA, TURKEY

**Havelsan Teknoloji Radar, R&D Engineering- Intern**

- Presentation and management of the coordinates received over the security camera network on Google map. **Tools & Technologies:** Php, PostgreSQL ve Google Map Api teknolojisi.
- The process of collecting data from sensors via snmp with Java, Swing and presenting this data on a graph was done. **Tools & Technologies:** JavaSE, Swing, PostgreSQL, JFreeChart

## FOREIGN LANGUAGE

### ENGLISH

Reading: C1    Writing: B2    Speaking: B1    Listening: B1

## PERSONAL PROJECTS

### Library Application

Tools & Technologies : Spring Boot, Security, JWT, JPA-Hibernate, Angular 8, PostgreSQL 9, Bootstrap 4.  
Source Codes : <https://github.com/celalaygar/Library-Application>

### Building Management System

Tools ,& Technologies: React, Redux Spring Boot, Security, JWT, PostgreSQL, Bootstrap 4, Html Css.  
Source Codes: <https://github.com/celalaygar/building-management>

### An Educational App for Mentally Handicapped Children

Graduation thesis: An educational application has been made for mentally retarded children.  
Tools & Technologies : Android Studio, JavaSE, Sqlite ve Libgdx kütüphanesi.

### Real Estate Web Automation Project

Tools & Technologies : Php, Codeigniter, Bootstrap, Html5, Css3 ve Mysql.  
Source Codes : <https://github.com/celalaygar/estate-agent-project-with-php>

### Security, Ethik Hacker Tools, Sample security and ethical hacker tools were written with Python.

Mac changer, Network Scanner, Man in the middle attack and Packet Listener, Keylogger, Back door.  
Tools & Technologies : Python (Scapy, Optparse, Subprocess, Pynput, Smplib, Threading)  
Source Codes : <https://github.com/celalaygar/Hacking-Tools-with-Python>

## **Counting Vehicles on the Road Project**

Tools & Technologies : Python, Opencv, Numpy

Source Codes : <https://github.com/celalaygar/car-counting-with-python>

## **CERTIFICATES**

2016/01 – 2016/06

### **Database Design and Programming with SQL (ORACLE ACADEMY)**

- Üniversite: 1.2016 - 06.2016
- Link : [https://www.slideshare.net/slideshow/embed\\_code/key/lErY9e0UnuYCs1](https://www.slideshare.net/slideshow/embed_code/key/lErY9e0UnuYCs1)

## **AREAS OF INTEREST**

Playstation, Chess, Fantasy and War movies, Writing code, Following technology channels, watching English videos