HACI CELAL AYGAR

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- https://celalaygar.github.io/

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
Ankara

Free Lancer, Full Stack & Java Developer
- 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)

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
Ankara, TURKEY

FMSS Bilisim Teknoloji, Full-stack Developer & Java Developer
- 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
Ankara, TURKEY

Orion BT Bilişim Hizmetleri, Full-stack Developer & Java Developer
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, Kubernates, 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, İReport. 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, Bootsrap 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

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, Keyloger, Back door.
  Tools & Technologies : Python (Scapy, Optparse, Subproccess, Pynputi, Smtplib, 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/IErY9e0UnuYCs1

AREAS OF INTEREST

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