

HACI CELAL AYGAR

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EDUCATION

Hacettepe University, Information Security - Master Degree
2026/01 – Present

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

Anadolu University, 2,32 / ECONOMY
2008/09 – 2013/07

WORK EXPERIENCE

SESASIS Bilgi Teknolojileri, Full-stack Developer & Java Developer
2026/04 – 2026/09

- Work was done on a microservice project infrastructure.
- Work was done on a transformation project.
- Bug fixes, new features, and improvements were made in both the backend and frontend.
- Analysis studies are being conducted regarding the modules. ER diagrams, workflow diagrams, research and development work are being carried out.
- AI-assisted development was implemented.
- LLM & Code Integration is performed.
- Spearheaded feature delivery for a legacy-to-microservices transformation project, maintaining a bi-weekly Agile/Scrum sprint cadence.
- Engineered end-to-end ER diagrams, workflow designs, and data models to standardize module architectures prior to sprint execution.
- *Pioneered the integration of local and open-source LLMs into the development pipeline, accelerating code refactoring and test automation.*

Technologies Used: Java 25, Microservices, Spring Boot, React Js, JPA, Hibernate, Apache Kafka, React js, Vite js, Redis, Mongo DB Docker, Tailwind, HTML, CSS, Git, Jira, Jenkins, Kubernetes, Argo CD, Nginx, Linux Ubuntu server, Open Code / Open Source LLMs, Antigravity, Jira, Agile/Scrum

Free Lancer, Full Stack & Java Developer
2025/05 – Present | Ankara

- Two mobile applications, "Wixtory Domain Track" and "Wixtory Language Box," were developed for Android and iOS.
- Mobile and web projects were developed using technologies such as Microservices, Java, Spring Boot, Python, FastAPI, Flutter, MongoDB, and Ubuntu Server.
- Web and mobile solutions were developed using a microservices architecture within the Antigravity and Open Code ecosystems.
- **Containerized Deployment & Reverse Proxy:** "Orchestrated standalone containerized microservices and web applications using Docker on Ubuntu Server, configuring Nginx as a high-performance reverse proxy to route external traffic to backend container ports."
- **Edge Security, WAF & Hardening (Zero-Trust/IP Shielding):** "Implemented comprehensive server hardening and edge security via Cloudflare WAF/CDN, configuring Full (Strict) SSL/TLS encryption with Let's Encrypt Certbot, enforcing non-standard SSH key-based authentication, and implementing strict UFW firewall rules to eliminate open-port vulnerabilities."
- **DDoS Mitigation & Traffic Control:** "Safeguarded production APIs against brute-force attacks and abuse by configuring Nginx Rate Limiting zones and restricting HTTP/S ingress exclusively to verified Cloudflare IP ranges, effectively shielding the origin server IP."

Projects:

- The mobile component was coded using Flutter (Dart).
- Admin panels and the official website were developed using Next.js, Spring Boot, and MongoDB.

- The backend was developed using a microservices infrastructure with Java 25, Spring Boot, Python, Fast API, Mongo DB, and JWT technologies.
- Deployment was managed on Ubuntu Server using Nginx (Reverse Proxy), CloudFlare, and Docker.
- AI-assisted development was implemented.
- LLM and code integration is being implemented.

- Landing page for the "Wixtory Language Box" mobile app (Android and iOS):
https://language-box.wixtory.com/

- Landing page for the "Wixtory Domain Track" mobile app (Android and iOS):
https://domain-track.wixtory.com/

- The developed projects are available at https://www.wixtory.com/projects.

- **Technologies Used:** Microservices, Java, Java 25, Spring Boot, Spring Data, Spring Security, JPA, Hibernate, Python, Fast API, MongoDB, Next.js, Next Auth, Tailwind, TypeScript, Redux Toolkit, Radix UI, Docker, Nginx, Nginx Reverse Proxy, Cloudflare (WAF/DNS), Let's Encrypt (Certbot), SSL/TLS, UFW, SSH Hardening, Rate Limiting, Linux Ubuntu Server, Redis, Apache Kafka, Flutter (Dart), Dart, Git, GitHub, HTML5, CSS3, Antigravity, Open Code, Gemini.

FMSS Bilisim Teknoloji, Full-stack Developer & Java Developer

2024/06 – 2025/05 | Ankara, TURKEY

- Worked on the money transfer module for the Paycell project.
- Collaborated with a cross-functional Scrum team to develop and deploy high-volume money transfer features within a hybrid microservices and monolithic architecture.
- Modernized core transfer microservices by migrating them from Java 11 / Spring Boot 2 to Java 17 / Spring Boot 3, enhancing both runtime performance and security.
- Operated within an Agile/Scrum framework, utilizing 4-week sprints throughout the microservice infrastructure and transformation project.
- Contributed to backlog grooming and technical planning processes, breaking down complex fintech requirements into actionable sprint items.

Tools & Technologies: Microservices, Java 11-17, Spring Boot, React Js, Kafka, Redis, JPA, Hibernate, Maven, Oracle DB, Kafka, Redis, Docker, OpenShift, Tailwind, HTML, CSS, Git, Jenkins, Jira, Confluence, Jira, Agile/Scrum

Orion BT Bilişim Hizmetleri, Full-stack Developer & Java Developer

2022/04 – 2024/06 | Ankara, TURKEY

VODAFONE project (01/2023 - 06/2024)

- 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.
- Delivered features within a microservice and transformation architecture using Agile/Scrum methodologies with bi-weekly sprints.
- Actively participated in all Scrum ceremonies, including Daily Stand-ups, Sprint Planning, Grooming, and Retrospectives.
- Conducted system analysis, ER diagrams, and workflow designs aligned with Agile project requirements.

Tools & Technologies: Microservices, Java 11-17, Spring Boot, Spring Security, Angular Js, JPA, Hibernate, Apache Kafka, Kafka, Redis, Mongo DB Docker, HTML, CSS, Git, Jira, Jenkins, Kubernetes, Lens, Jira, Agile/Scrum

Private project for the MINISTRY OF INTERIOR (04/2022 - 01/2023)

- Building over Authorization in frontend and backend for users.
- Working in Microservices projects
- 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.
- Delivered features within a microservice and Ministry project architecture using Agile/Scrum methodologies with bi-weekly sprints.
- Actively participated in all Scrum ceremonies, including Daily Stand-ups, Sprint Planning, Grooming, and Retrospectives.
- Conducted system analysis, ER diagrams, and workflow designs aligned with Agile project requirements.

Tools & Technologies: Microservices, Java 8-11, Spring Boot, Spring Security, React Js, Spring Data, Elastic Search, JPA, Hibernate, Apache Kafka, Liquibase, Redis Graph., PostgreSQL, PL/pgSQL, Oracle DB, Rancher, Docker, Kubernetes, React Js, Tailwind, HTML, CSS, Git, Redmine, Linux, Jenkins, Agile/Scrum

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

2021/08 – 2022/02 | ANKARA, TURKEY

- Working at ASELSAN project for OBSS
- Working in Microservices projects
- Bug fixes, new features created on the frontend and backend,
- 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.
- Delivered features within a microservice and Aselsan project architecture using Agile/Scrum methodologies with bi-weekly sprints.
- Actively participated in all Scrum ceremonies, including Daily Stand-ups, Sprint Planning, Grooming, and Retrospectives.
- Conducted system analysis, ER diagrams, and workflow designs aligned with Agile project requirements.

Tools & Technologies: Microservices, Java 11, Maven, Spring boot, React JS, JPA, Hibernate, Mobx, Docker, Kubernetes, Flyway, Javascript, Hibernate / ORM, Git, PostgreSQL, Oracle DB, Apache Kafka HTML, CSS, TFS, Agile/Scrum

Via Computer Systems, Full stack Developer & Java Developer

2020/11 – 2021/06 | ANKARA, TURKEY

- 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.
- Built Export, Campaign Drug, Packaging and some part of Accounting and Logistics modules

Tools & Technologies: Java 8, Java 11, Maven, Spring boot, Spring Security, Spring Data, React JS, Redux, JPA, Hibernate, Git, Html, Css, Bootstrap 4, PostgreSQL 12.5

ERC Grup Mühendislik, Danışmanlık ve ARGE Hizmetleri, Java Developer

2019/12 – 2020/07 | ANKARA, TURKEY

- Adding new screens to the modules, adding new features to certain screens.
- Bug fixes, new features created on the frontend and backend,
- 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 DB, DB2, Python, İReport. React js, Node js,

Tesla Otomasyon Mühendislik, Engineering- Intern

2016/08 – 2016/09 | ANKARA, TURKEY

- 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.

Havelsan Teknoloji Radar, R&D Engineering- Intern

2016/07 – 2016/08 | ANKARA, TURKEY

- 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**

CERTIFICATES

Database Design and Programming with SQL (ORACLE ACADEMY)

2016/01 – 2016/06

- Üniversite: 1.2016 - 06.2016
- Link : https://www.slideshare.net/slideshow/embed_code/key/IErY9e0UnuYCs1