

Yunus Tan Kerestecioglu

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EDUCATION

BSc in Computer Science and Engineering

Sabanci University (SU)

Erasmus+ in Computer Science and Engineering

Universite Claude Bernard Lyon I

High School

Sainte Pulcherie

Istanbul, TR

Sep 2019 – Jun 2024

Lyon, FR

Sep 2022 – Dec 2022

Istanbul, TR

Sep 2014 – Jun 2019

WORK EXPERIENCE

Improva

SAP BTP Cloud Developer – Technical Consultant

Istanbul, TR

Dec 2024 – Present

- Configured **multi-environment cloud infrastructure**, including service instances, destinations, and authentication flow.
- Integrated on-premise and cloud systems via HTTP and RFC protocols.
- Implemented **user identity propagation**, transporting the **logged-in user's email** from the BTP/Work Zone frontend on Cloud to on-premise backend services.
- Troubleshooted connectivity issues, such as **certificate-based trust** problems between environments, **CORS** errors, **authentication failures** due to misassigned roles.
- Managed **user roles and access control** across subaccounts in BTP Cloud environment using **role collections** and **IAS identity services**.
- Developed and maintained **technical specifications and documentation**.

Siemens

Full-stack Engineer

Istanbul, TR

Sep 2023 – May 2024

- Part of the digital transformation team delivering a modular enterprise system that **digitalized factory operations and reduced the paperwork over 80%**.
- Implemented the user interfaces with **HTML, CSS, jQuery**; backend with **PHP and MySQL**.
- Used **Datadog** for production monitoring, error tracking and performance logging.
- Developed **Python based data pipelines to automate document read/write tasks**, reducing the time electrical engineers spent extracting the critical information.

SabancıDx

Software Engineer Intern

Istanbul, TR

Jun 2022 – Aug 2022

- Collaborated real-time fleet tracking features for a major Turkish energy firm's vehicle operations.
- .NET based **REST API** with full CRUD support and **unit test** coverage.
- UI design and wireframes with **Figma**.

RESEARCH & PROJECTS

- Diplomatic Interactions (Mar 2024–Jun 2024)**: Developed the **front end of a Next.js (Typescript) web application** visualizing international relations through **maps, tables and heatmaps** (check out at [Global Diplomacy](#)).
- Soccer Squad Guessing Game (May 2024–Oct 2024)**: Built a 3-part system consisting of a **Python web scraping & ETL tool** ([Transfermarkt](#) → MongoDB), a **NestJS REST API** with dynamic soccer data filtering, and a **Flutter mobile game** for guessing soccer squads, integrated with the API.
- Where to Watch App (Jul 2025)**: Developed a Next.js application that **scrapes a user's Letterboxd watchlist**, retrieves **additional movie details from the TMDB API**, streams **real-time loading updates with server-sent events (SSE)**, and provides client-side filtering options for, rating, year, platform, and genre (deployed at [Watchlist Picker](#)).
- Cloud Computing Project (Apr 2023–May 2023)**: Deployed a MERN stack application with a front end on Google Compute Engine VM, a dockerized back end on Google Cloud Run, a MongoDB instance on another Google Compute Engine VM.
- Employee Management Dashboard (Aug 2023)**: Built a corporate project and employee tracking web app using jQuery, Highcharts, with a PHP-MySQL backend.

ADDITIONAL INFORMATION

Languages: English (Advanced), French (Advanced), Turkish (Native)

Technologies: Javascript, Python, SQL, C++, Google Cloud Platform (GCP), MongoDB, PHP, HTML, CSS, NodeJs, Spring Boot, VueJs, React, React Native, Flutter, Figma

Fields of Interest: Full-stack Web & Mobile Development, API Design & Integration, Real-Time & Event-Driven Systems, Cloud Computing, System Design