


Yasin Küçüker

Python Developer

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PROFILE

Python Developer focused on desktop applications, backend systems, automation, and AI-driven applications. Studied Computer Engineering at Konya Technical University before leaving in the final year due to the COVID-19 period and mandatory military service, later continuing to build software products independently. Developed and launched applications including Yaso Notes, Crypto Text, live-score and betting platforms, English learning systems, and AI-powered productivity tools using Python, SQL, APIs, and modern software architecture principles.


PROFESSIONAL EXPERIENCE

Full Stack Developer

Lesso Software

2021 – 2022

Konya/Turkey

- Led the design, development, and implementation of graphic, layout, and production communication materials.
- Responsible for user interface and frontend development.
- Worked with HTML, CSS, and JavaScript.
- Designed the database architecture and implemented backend functionality.
- Used PHP, Ajax, JSON, and MySQL for backend development.
- Projects: Developed websites as a clone of Ticaretiks.com 

Low-Code Developer

Inventara

2022 – 2023

Rotterdam/NL

(Remote)


- Led the design, development, and implementation of UI/UX, layouts, and production communication materials.
- Responsible for user interface and frontend development, including dashboards, landing pages, SMS services, REST APIs, Google Maps services, Excel import/export, and internal pages.
- Responsible for database design and backend development.
- Projects: Smishing App, Delivery App

Low-Code Developer

Koç University

2023 – 2024

Istanbul/Turkey


- Led the design, development, and implementation of graphic, layout, and production communication materials.
- Responsible for user interface and frontend development.
- Worked on dashboards, landing pages, REST APIs, Excel import/export, and various page structures.
- Responsible for database design and backend development.
- Projects: <https://www.ku.edu.tr/> 

Game Tester

Skyfect

2024 – 2025

Istanbul/Turkey

- Conducted thorough testing of a horror game to identify and document bugs and issues.
- Recorded gameplay footage for detailed analysis of mechanics and user experience.
- Reported errors and inconsistencies during test phases.
- Collaborated with the development team to resolve identified issues.
- Reviewed solution code to ensure proper functionality.
- Provided feedback on game design and UI to improve overall player engagement.
- Project: Horror video game – PUKE 

PROJECTS

Yaso Notes

01/2026 – 02/2026

Offline Document-Converter-Desktop Application

A privacy-focused desktop application that allows users to take notes and export them in multiple formats including TXT, DOCX, PDF, and WAV (audio).

Technologies: Python, Tkinter, PyPDF2, Python-docx, PyInstaller
<https://apps.microsoft.com/detail/9nlbw2b4g8wl?hl=tr-TR&gl=TR> ↗

01/2026 – 02/2026

CryptoText

Local Text Encryption & Decryption Tool

A secure utility designed for local message protection. It allows users to encrypt sensitive text into unreadable formats and decrypt it back using specific keys, ensuring data privacy without relying on cloud-based services.

Technologies: Python, Cryptography Library, Tkinter, File Handling

[https://apps.microsoft.com/detail/9P1CZLo6HN0B?](https://apps.microsoft.com/detail/9P1CZLo6HN0B?hl=neutral&gl=TR&ocid=pdpshare)

[hl=neutral&gl=TR&ocid=pdpshare](https://apps.microsoft.com/detail/9P1CZLo6HN0B?hl=neutral&gl=TR&ocid=pdpshare) ↗

Yaso AI-Powered Personal Chatbot

Developed an AI-powered chatbot integrated into a personal website to provide interactive, context-aware information about professional background, technical skills, and projects. Improved recruiter and visitor engagement by enabling structured, conversational access to profile information.

Technologies: Python (Flask), Voiceflow, OpenAI API, Airtable, AWS EC2, HTML, CSS, JavaScript

<https://yasinkucuker.com/ai/yaso/index.html> ↗

Python-with-Projects

Comprehensive Python Development Portfolio

A curated collection of over 34 standalone Python projects designed to demonstrate proficiency across various domains. The portfolio includes applications for Computer Vision (Face Detection with OpenCV), Desktop GUIs (PyQt5, Tkinter), Data Automation (YouTube Downloader, PDF-to-Docx), and Financial Simulations (Crypto Trading Bot). Each project focuses on clean code, multithreading, and efficient file handling.

Technologies: Python, OpenCV, PyQt5, Tkinter, SQLite, Requests (REST APIs), BeautifulSoup, Pillow

<https://github.com/ysnkucuker/python-with-projects> ↗

Metro Simulation

*Route Optimization with BFS & A**

Built a Python-based metro network simulation system that models stations, lines, and connections to compute optimal routes. Implemented BFS (Breadth-First Search) to find routes with the least transfers and A* algorithm to determine the fastest paths based on time. Visualized metro lines and the full network using NetworkX and Matplotlib, enabling clear graphical representation of complex route structures.

Technologies: Python, NetworkX, Matplotlib, BFS, A* Algorithm

<https://github.com/ysnkucuker/Metro-Simulation> ↗

Healthcare Billing Prediction

Machine Learning Regression Model

Built a machine learning model to predict hospital billing amounts based on patient demographic and medical data. Performed data analysis and feature evaluation, and compared multiple regression models including Linear Regression and Decision Tree. Optimized the final model using GridSearchCV and evaluated performance with MAE, RMSE, and R² metrics to ensure accuracy and reliability.

Technologies: Python, Scikit-learn, Pandas, NumPy, Machine Learning, Regression


<https://github.com/ysnkucuker/HealthCare-ML> ↗

Cats vs Dogs Classification

CNN Image Classification Model

Developed a deep learning model to classify cat and dog images using Convolutional Neural Networks (CNN). Applied data preprocessing techniques such as resizing and normalization, along with data augmentation methods including rotation, zoom, and flipping to improve generalization. Designed a CNN architecture with Conv2D, MaxPooling, and Dropout layers, and evaluated model performance using accuracy metrics, confusion matrix, and classification report.


Technologies: Python, TensorFlow, Keras, CNN, Data Augmentation

<https://github.com/yasinkucuker/cats-and-dogs-cnn-classification> 

Lingoworm – Mobile Language Learning Application

Developed a mobile language learning application with comprehensive modules for vocabulary acquisition and practice. The app includes flashcards with pronunciation support, an integrated quiz system, grammar lessons, reading exercises (news, articles, and stories), and listening activities (dialogues, podcasts, and stories). Implemented speaking practice using Gemini, enabling interactive conversations and pronunciation evaluation. Added writing exercises with both word-level and AI-powered grammar validation. Extended learning with idioms and phrasal verbs modules. Integrated translation features supporting both text and image-based translation, where text within photos is extracted and translated.


Technologies: Android, Java, PHP (backend), MySQL, Gemini API, Text & Image Translation

<https://play.google.com/store/apps/details?id=com.yasinkucuker.lingoworm> 

Lingoworm – Web-Based Language Learning Platform

Designed and implemented a web-based language learning platform using PHP and MySQL for the backend. The system delivers interactive modules, including flashcards, grammar topics, reading exercises (news articles and stories), listening activities (podcasts, dialogues, and stories) with synchronized reading tracking, speaking practice with pronunciation evaluation for words and sentences, writing exercises with grammar validation, and a translation tool.


Technologies: PHP, MySQL, HTML, CSS, JavaScript, SSL, Responsive Web Design

<https://www.lingoworm.net> 

Kupon Takip - Betting Predictions & Live Scores

Developed a comprehensive sports platform providing daily betting predictions and real-time match tracking. The application includes a dynamic live score system with auto-refresh capabilities. Integrated diverse content modules such as daily coupons, high-odds value bets, and sports news. Implemented monetization through Google AdMob integration, including interstitial, native, and banner ads.


Technologies: Android, Java, Retrofit, Glide, PHP (backend), MySQL, Google AdMob API, RESTful APIs

<https://play.google.com/store/apps/details?id=com.yasinkucuker.kupontakip.app> 

Kupon Takip Web - Sports Analysis & Betting Platform

Developed a professional web-based sports analysis platform using PHP and MySQL to deliver real-time betting insights and match data. The system features a comprehensive dashboard for daily predictions, high-odds analysis, and managed sports news content. Implemented a robust backend architecture for synchronized data management between the web and mobile platforms. The frontend is designed with a responsive UI/UX approach, ensuring seamless performance across all devices, integrated with real-time live score tracking and category-based news filtering.

Technologies: PHP, MySQL, HTML5, CSS3, JavaScript, Bootstrap, RESTful API Development, Responsive Web Design

<https://www.kupontakip.net> 

City Rush: Taxi Driver

– Mobile Driving Game

Developed a mobile taxi driving game with physics-based vehicle controls, mission systems, NPC pedestrian AI, and dynamic city gameplay. Implemented passenger pickup mechanics, collision systems, day/night effects, UI animations, audio management, and AdMob monetization optimized for Android devices.

Technologies: Unity, C#, RigidBody Physics, NPC AI, Google AdMob, Android, UI Animation, Audio Management

<https://play.google.com/store/apps/details?id=com.yasinkucuker.CityRush> 

02/2026 – 03/2026

EDUCATION

B.Sc. in Computer Engineering - Konya Technical University

Relevant Coursework

Algorithm and Programming I & II
Object-Oriented Programming (OOP)

Operating Systems (OS)
Data Structures

2015 – 2020
Konya

Database Systems
Web Programming
Advanced Programming Languages

Visual Programming Languages
Algorithms (Advanced)
Software Engineering

SKILLS

Technical Skills

- **Python Development:** Python (Advanced), desktop application development, backend system development, automation scripting, data-driven application development
- **GUI Frameworks:** Tkinter, PySide, PyQt5, Turtle graphics systems
- **Backend Frameworks:** Flask, Django, REST API development
- **Data Science & Analysis:** NumPy, Pandas, Matplotlib, Kaggle datasets and workflows
- **Database Systems:** SQLite, local database architecture, CRUD operations
- **Python Core Concepts:** Advanced Functions, Iterators, Generators, Object-Oriented Programming (OOP)
- **Networking & Internet:** Requests module, internet-based applications, API integrations, HTTP requests
- **Concurrency & Performance:** Asyncio, Multithreading, asynchronous programming workflows
- **File & System Operations:** File System management, file handling, directory operations, automation workflows
- **Software Architecture:** Modular application structure, scalable backend systems, reusable component-based development
- **Development Mindset:** Problem-solving, product-focused development, rapid prototyping, independent software production

Collaboration & Project Management Tools

- **Jira** → Agile project management, issue tracking, sprint planning
- **Miro** → Online whiteboarding, brainstorming, workflow visualization
- **ClickUp** → Task management, team collaboration, productivity tracking

COURSES

Python 2026: 100 Days Programming Bootcamp

Atıl Samancıoğlu

Completed the “Python 2026: 100 Days Programming Bootcamp” focused on Python programming fundamentals, problem-solving, and practical software development workflows. The program covered core computer science concepts, Python syntax, development environments, and hands-on coding exercises using modern Python tools.

Key technical areas included Python fundamentals, variables, comparison operators, conditional statements, loops, break/continue/pass controls, Jupyter Notebook workflows, Google Colab usage, GitHub integration, and interactive coding practices. The training also introduced programming logic, computational thinking, and structured problem-solving approaches through practical exercises and quizzes. Technologies: Python, Jupyter Notebook, Google Colab, GitHub, Anaconda

Advanced Python from Scratch

Mustafa Murat Coşgun


Completed the “Advanced Python from Scratch” program covering Python programming, desktop application development, backend frameworks, databases, web scraping, and full-stack web application workflows. Built practical projects using Flask, Django, PyQt5, SQLite, SQLAlchemy, and REST-based systems. Key technical areas included advanced Python functions, decorators, generators, OOP, SQLite database operations, Requests & BeautifulSoup web scraping, JSON APIs, email automation, file system management, and image processing with Pillow. Developed desktop GUI applications with PyQt5 including login systems and notepad-style applications.

Built full web applications with Flask and Django including authentication systems, blog management panels, article CRUD operations, ORM usage, template inheritance, comment systems, session management, file uploads, CKEditor integration, and responsive UI workflows using Bootstrap.
Technologies: Python, Flask, Django, PyQt5, SQLite, SQLAlchemy, BeautifulSoup, Requests, Pillow, Bootstrap, GitHub, Jupyter Notebook

English Course

AmericanLIFE

Completed a comprehensive English language program covering intermediate to advanced levels. Training focused on advanced grammar structures, functional English, and professional communication skills, including clauses, conditionals, modal verbs, passive voice, reported speech, gerunds & infinitives, phrasal verbs, idioms, and academic writing mechanics. Program emphasized both spoken and written fluency, with practical usage in professional and real-life contexts.

<https://yasinkucuker.com/assets/certificates/c2.pdf> 

02/2022 – 06/2024

Karaman