

Serhat Kumas

Software Engineer

Results-driven and agile Software Developer with a Master's in Informatics and a strong foundation in Computer Science. Expertise in designing and implementing software solutions, including RESTful APIs with Spring Boot and Flask, interactive web interfaces, and smart contracts in Solidity. Experienced in the entire software development lifecycle, from concept to deployment, with a passion for complex backend systems, distributed architecture, and innovative blockchain technology. Seeking to leverage robust technical skills and leadership experience in a challenging software engineering role.

Experience

Software Developer DC Academy Mar 2022 - Feb 2023

- Designed and deployed a scalable RESTful API for a chatbot service, integrating the Google Dialogflow CX API to automate and manage user interactions.
- Engineered the backend using Python/Flask to process NLP-driven requests and facilitate seamless data exchange with enterprise systems.
- Developed the client-facing UI for a Dialogflow-powered chatbot, building an interactive web module with HTML, CSS, and JavaScript (ES6+) that asynchronously consumed the backend API to ensure real-time user interactions.
- Architected and integrated the ChatGPT API as a scalable helper module within a microservices framework, asynchronously processing complex queries to significantly enhance the application's natural language processing (NLP) and comprehension capabilities.

Intern Game Developer Spike Games Jan 2022 - Feb 2022

- Engineered core 2D game mechanics and systems within the Unity engine, writing performant C# code to implement features such as a state-driven character controller, event-based interaction systems, and a customizable inventory management module.
- Architected robust C# scripts to control complex character animation state machines and finite state machine (FSM) based enemy behavior.

Intern Software Developer DC Academy Nov 2021 - Jan 2022

- Acquired foundational knowledge of blockchain development by building and testing basic smart contracts in Solidity, gaining hands-on experience with key concepts like transaction execution and gas optimization.
- Spearheaded the design of service logic and user flow architecture for a ride-sharing application, modeling core systems such as driver-passenger matching algorithms, payment processing integration, and trip status management.

Intern Backend Developer Delta Smart Technologies Jan 2021 - Feb 2021

- Applied core Spring Boot principles to develop a functional REST API. Implemented standard endpoints for CRUD operations, configured application properties, and utilized Spring Data JPA for basic data persistence.
- Designed and developed applications based on a layered architecture principle, rigorously enforcing separation of concerns to reduce code complexity, minimize bugs, and streamline future feature development.
- Engineered efficient SQL queries (joins, subqueries) and optimized stored procedures to serve application data needs, ensuring high-performance data access and integrity for backend services built in Java/Python.

Off-Field Experience

Area Supervisor High Sierra Pools May 2024 - Sep 2024

- Improved my leadership and communication skills by managing a team of 20-30 individuals, optimizing organizational efficiency. Direct management of employee workflows and serving as the primary point of contact for 12 clients, ensuring their needs were met and strengthening business relationships.



Education

Universität Passau

M.Sc. in Computer Science
2025-Current

Izmir Institute Of Technology

B.Sc. in Computer Engineering
2018-2023

Anadolu University

B.Sc. in Business Administration
2020-2025

Skills

- Techs : Python, Java, C#, JavaScript, MySQL, PostgreSQL, HTML, CSS
- Frameworks: Flask, Spring Boot, Unity
- Concepts: OOP, RESTful API, Smart Contracts, Distributed Systems, Project Management, Data Structures, Algorithms, Scrum
- Tools: Git, Jira, Docker, Postman

Language

Turkish

Native

English

C1 - Advanced

German

A2 - Beginner

Portfolio

Linkedin

<https://www.linkedin.com/in/serhatkumas/>

Github

<https://github.com/SerhatKumas>