Muhammed Said Kaya

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Who wants to learn new things, constantly wants to improve himself and add new technologies to his stack, and tries to write cleaner code day by day. Main interests are backend development and operations part. Vision is to master the technologies and architectures of microservices to create scalable and highly reliable software systems and enable continuous integration of value.

EDUCATION

Kloia - DevOps Bootcamp

Agenda: CI/CD Pipelines, Docker, Jenkins, Kubernetes, AWS EKS, S3, EC2, Networking, IAM, RDS, Scalable and High Available Systems, Decoupled Systems, SNS, SQS, Terraform

06/2021 - 07/2021

Trendyol - Backend Developer Bootcamp

Agenda: Microservice Architecture, DDD, Clean Code, Java OOP/FP, Golang, Spring Framework, Rest/Soap, Event Driven Architecture, Event Sourcing, CQRS, ORMs, Test Driven Development

06/2021 - 07/2021

Computer Engineering

Hacettepe University - Bachelor's Degree

08/2016 - 08/2021   *GPA : 3.36/4.00*

- **Graduation Project Blockchain-based decentralized application:** File Repository in Ethereum Network
- Guarantees the immutability of the documents that belongs to students. Truffle, Web3.js and React.js used.

WORK EXPERIENCE

Software Developer

Tübitak Bilgem YTE

10/2020 - Present   *Ankara-Turkey*

Tübitak Bilgem YTE develops R&D-oriented software solutions in order to meet the digital transformation needs of public institutions and organizations that provide digital policy. It is Turkey's only public institution with Capability Maturity Model Integration(CMMI) Level 5 certification.

- **Worked on The "Collection", "Accrual", "Asset" microservices of the "BKMYBS" project,** which enables the joint management of the accounting transactions of all public institutions and organizations within the scope of the central government budget.

KNOWLEDGE

Microservice Architecture Domain Driven Design Design Patterns Event Driven Architecture TDD CI/CD Linux VCS (Git) Docker ELK Stack REST/SOAP Java Spring SQL MySQL PostgreSQL JavaScript React.JS Express.JS Blockchain

PROJECTS

Web Application : Local Firestore (NoSQL Database)

- Command Pattern for encapsulating CRUD requests on any document and by using stack of requests, undoable redoable operations created and collections are committed, extracted (XML, JSON)

Mobile/Arduino Application : Bluetooth RC Car

- RC car with Bluetooth and Wi-Fi technology for video surveillance, discovery & reporting purposes, in the context of our Hacettepe University Wireless Network course final project. Using HC-05 Bluetooth Module, Arduino UNO component and a Flutter Mobile application, the car controlled remotely.

Desktop Application : Crypto Messenger

- Using AES and DES from Block Cipher methods, CBC and OFB from modes, a Multi client/Broadcast server was set up with Java Socket Programming. When the clients are raised, the symmetric keys on the server are transmitted to the clients and the encryption of the messages has been ensured through this key. An interface has been implemented with Java Swing.

Web Application : Bookstore

- Single page application created by using React, Spring Web, Spring Data JPA, Spring Security and MySQL for Software Engineering course term project with my friends. For authentication mechanism Role-based JWT token used. This application was on book trading for e-commerce

LANGUAGES

English
Full Professional Proficiency

Turkish
Native or Bilingual Proficiency