

Mustafa Simav

Senior Software Engineer

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1019 AZ, Amsterdam, Netherlands

Senior Software Engineer with 10+ years of work experience specializing in building highly scalable backend systems. Consistently recognized as a skilled developer, good team player, and enthusiastic learner.

Experience

Software Engineer in Payments

Nov 2022 - Present

[Adyen](#) · Amsterdam, the Netherlands

Adyen is a financial technology platform that helps businesses grow. It provides an end-to-end payments, data, and financial management in a single technology platform that helps you realize your ambitions faster.

- Maintain various card payment methods as part of payment engine product
- Make compliance changes required by our partners in the payment industry
- Improve testability, observability and reliability of the payment engine platform

Senior Software Developer

Aug 2020 - Sep 2022

[trustmeup.com](#) · Istanbul, Turkey

TrustMeUp is a small company that builds a marketplace to bring together NGOs, people, and companies for doing good

- Develop new features of the core platform
- Research and deploy blockchain technologies for financial applications
- Improve developer tooling and business automation

Senior Software Developer

Mar 2019 - Jul 2020

[xenn.io](#) · Istanbul, Turkey

xenn.io is a SaaS startup that develops event analytics and data lake solutions for e-commerce companies

- Develop new features of the platform and implement data pipelines to support those futures
- Make POCs for different data tools to solve common e-commerce problems
- Work closely with the DevOps team to improve the scaling of the working systems, monitoring, and alerts

Software Developer

May 2018 - Feb 2019

[Logsign](#) · Istanbul, Turkey

Logsign is a company that builds network security devices and security automation software for big enterprises and government agencies

- Develop the new security automation product with Go
- Help the company to adopt modern software development methodologies and tools such as Scrum and CI/CD

Software Developer

Jan 2014 - Mar 2018

[VNGRS](#) · Istanbul, Turkey

VNGRS is a software consultancy company that works as your remote team dedicated to your project

- Worked for many customers ranging from small startups to middle-sized tech firms around the world
- Developed both small prototypes for new ideas
- Worked on mission-critical systems
- Benchmarked and improved performance issues
- Maintained and modernized legacy systems
- Designed new systems from scratch

Skills

Language

Java
Python
Scala
Go

Frameworks

Django
Akka

Data

PostgreSQL
Kafka
Elasticsearch
Redis
RabbitMQ
Flink

Cloud

AWS
Kubernetes
Google Cloud
Docker
Cloudflare

Education

B.Sc., Computer Engineering
[TOBB University of Economics and Technology](#)

Languages

Turkish · native speaker
English · fluent
Dutch · beginner
Italian · beginner

Links

github.com/msimav
stackoverflow.com/users/806261
resume.msimav.net
resume.msimav.net/resume.pdf

Projects

TMU Platform

A charity platform aiming to be fully transparent on where donations are spent, using blockchain technologies.

- Built as a Django monolith and a Hyperledger Fabric network
- Runs on AWS with ECS and RDS

Wamo Core

A set of API Services aiming to deliver Multi-Channel Payment and Open Banking capabilities, alongside the complementary functionality for multiple tenants, in multiple regions with multiple business processes with the vision of making embedded finance accessible to everyone.

- Built as a group of microservices, designed with an API-first approach, written in Java
- Deployed to AWS with docker on Kubernetes

xenn.io

A personalization product specialized for e-commerce applications, backed by a real-time clickstream event collector and data lake

- Built as a group of microservices, mostly written in Scala
- Deployed to AWS with docker on Kubernetes
- Use Flink and Akka-Streams for CEP

Playbook Engine

An automation engine that let users build complex scenarios to be executed on various events that happened

- Built with Go with some extensions written in Python

Activity Feed

Event-driven activity tracking and audit system for internal usage that supports various activities and complex queries

- Event consumer is written in Scala, persistence and query systems are integrated current system
- Built with http4s, circe, and Monix
- in Java

Open Performance

Performance management solution to establish and communicate goals and tangible achievements

- The backend was written in Scala with a home-grown HTTP framework
- Modernized legacy code and improved performance while implementing new features