# Mustafa Simav

Software Developer

## Education

2009-2017 (expected)

**Computer Engineering**; TOBB University of Economics and Technology (Ankara)

## Experience

Jan 2014-Now

**Backend Developer at VNGRS**

As a backend developer, I work on various project and develop several RESTFUL APIs for both web applications and mobile applications in Agile teams that use Scrum framework.

Dec 2012-Apr 2013

**Intern at Labris Teknoloji**

As a system administrator, I enhance company’s CentOS packages for network security device and I migrated whole system from CentOS 5 to CentOS 6.

Jan 2012-Apr 2012

**Intern at Anel ARGE**

As a developer, I learned how to develop Android applications and improved my programming skill in Java. I also learned basics of functional testing, bug reporting and project management.

## Projects

Open Performance

**Current** Performance management solution to establish and communicate goals and tangible achievements

* Backend written in Scala
* Built with home-grown http framework
* Modernizing legacy code and improving performance while implementing new features

Pulse

Realtime data processing and visualization

* Backend written in Scala
* Built with Spray and Akka Reactive Streams
* Each data processing unit is a reactive stream, supervised by an actor in a Akka cluster for scalability and resilience

FitPartner

Mobile app for fitness tracking with a fitness partner

* Backend written in Ruby
* Built with Ruby on Rails

SOR’UN

Mobile platform for realtime chat with call center agents

* Written in Scala, built with Play Framework and akka
* Every entity designed as an Actor, communicating each other by message passing
* Client-Server communication over WebSockets
* Integrated with various call center solutions

Mana Health

Patient medical data aggregator

* Worked as Java developer on existing project
* Measured causes of poor performance in the system and optimized them
* Designed new system by separating components hence different components could scale separately for different scalability needs

Modiverse

A SAAS platform for remote android device management

* Written in Scala
* Built with Play Framework

Enforce

Mobile app to report urban problems to municipalities

* Developed Android application
* Contestant of Google’s Social Entrepreneurship Hackathon

## Certifications

* AWS Certified Solutions Architect Associate - *May 2016 – May 2018*
* Principles of Reactive Programming - *January 2014*
* Functional Programming Principles in Scala - *December 2012*

## Technichal Skills

Scala • Ruby • Java • Python  
Play Framework • akka • spray.io • Ruby on Rails  
PostgreSQL • MySQL • Cassandra • redis  
sbt • jenkins • git

## Language Skills

* Turkish (native speaker)
* English (fluent)

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