

Mustafa Simav

Software Developer

Education

2009-2018 **Computer Engineering**; TOBB University of Economics and Technology (Ankara)
(expected)

Experience

Jan 2014-
Now

Software Developer at VNGRS

As a backend developer, I work on various projects and develop several RESTFUL APIs for both web applications and mobile applications in Agile teams that use Scrum framework, design new systems as well as maintain old ones, benchmark performance and improve bottlenecks.

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

Activity Feed

Current Event driven activity tracking and audit system that supports various activities and complex queries

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

Open Performance

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*

Technical Skills

Scala • Ruby • Java • Python
Play Framework • akka • http4s • Monix • Ruby on Rails
PostgreSQL • MySQL • Cassandra • redis • memcached
sbt • jenkins • git
AWS • docker • nix • marathon • mesos

Language Skills

- Turkish (native speaker)
- English (fluent)