

# Vedat Kilic

*Expert Full Stack Developer*

## Experience

2019–Ongoing **Senior Full Stack Developer**, *codespace*, Istanbul, Turkey.

- A member of SettleGo team (<https://settlego.com>), FinTech products, exclusively for London-based start-ups and corporations of larger scale.
- Lead and mentored the team
- Designing, architecting and writing event driven microservices using Axon Framework, Spring Cloud Stream, RabbitMQ, Kafka with a constraint to handle transactions of 10,000/sec.
- Modernized front-end app originally built on JQuery and React to Angular 7
- Refactored the application from monoliths to micro services with Spring Boot, Java, Docker, Kubernetes and custom scripts.

2017–2019 **Senior Full Stack Developer - Scrum Master**, *Turkcell Technology Research and Development*, Istanbul, Turkey.

- A member of fizy team (<http://fizy.com>), Online Music Streaming Platform.
- Worked with a team of 20 people, developers, QA and scrum masters, working as scrum master
- Lead the team
- Designed, architected and wrote the front-end of music application using Angular with 1,000 reusable components
- Modernized front-end app originally built on JQuery to Angular
- Optimized service layers, request queues and data model to handle request load of 74,000-96,000/sec during rush hours
- Built CI/CD pipelines using Jenkins, Docker and custom scripts - helping teams deploy without downtime
- Designed, architected and wrote microservices with Spring Cloud Netflix Microservice Architecture, Spring Boot 2.x, Java 1.8 Functional and replatform project from monoliths to microservices.
- Improved application performance to handle 1,000+ concurrent requests and also be multi-threaded.
- Log management with ELK, and advanced text search with Solr&Elastic Search

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- 2013–2017 **Senior Software Specialist**, *Garanti Technology*, Istanbul, Turkey.
- Worked on development of cross-platform highly scalable seamless mobile banking infrastructure based on hybrid architecture.
  - Made high-level design choices, dictated technical standards including software coding standards, tools and platforms.
  - Lead and mentored the team.
  - Solved technical, security and performance issues of web sites and applications for all tiers in infrastructure.
  - Made performance and stress tests collaborating with system, network and other related groups.
  - Designed and developed architecture of integrating social media with digital banking channels.
  - Worked on personal and corporate Internet banking development using Java, Maven, Spring, JavaScript, jQuery, Objective-C.
  - Provided solutions for general problems and enhancements.
- 2013 **R&D Engineer**, *Kentkart*, Izmir, Turkey.
- Designed hardware for GPS Tracking, Electronic Payment System and Transportation System.
  - Advanced PL/SQL, Performance Tuning of Queries, Oracle Database, Database Design and Query Optimization.
  - Application development with technologies: PHP, Java, JSP, Javascript, JQuery, CSS, HTML5, SOAP, REST, .NET.
- 2011 **Internship**, *Dokuz Eylul University*, Izmir, Turkey.
- Power card design for electronic circuit.
  - Electronic card design with Altera, Proteus and Pspice.
- 2011 **Internship**, *ASELSAN*, Ankara, Turkey.
- ASELSAN is a Turkish corporation that produces tactical military radios and defense electronic systems for the Turkish Armed Forces.
- Designed laser marking hardware of tank shot system.
  - Developed software about laser marking of tank shot system using programming languages and technologies: FPGA, C, C++, Qt.
- 2010 **Internship**, *Turkish Radio and Television Corporation (TRT)*, Istanbul, Turkey.
- Designed Network, Maintained Network and Performance Tuning of Network.

## Skills

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|----------------------------|---|
| Team & Agile Collaboration | Collaboration, communication, planning & estimation, agile development practices, Scrum   |
| Back-End Development       | API design and development, app architecture, micro-services, Node.js, PHP, C#.NET, Java, JUnit, Spring, Spring Boot, Spring Cloud, Maven, Gradle, REST, SOAP |
| Front-End Development      | JavaScript (ES5, ES6), React, AngularJs, Polymer, HTML5, CSS3, Sass   |
| Mobile                     | Swift, Objective-C, Java, RxJava  |
| Others                     | C, C++, Java, PL/SQL, SQL, OpenCV, OpenGL, Git, SVN, CA SCM   |
| Database                   | Database architecture, modeling, query optimization, MySQL, PostgreSQL, MongoDB, Oracle   |

Developer Docker, AWS, Heroku, Github, Bitbucket, Tomcat, JBoss, Websphere, Visual  
Operations Studio Code, PL/SQL Developer, Eclipse, IntelliJIDE, XCode, Interface Builder,  
Android Studio, Atom, SublimeText, Microsoft SQL Server

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## Education

- 2010–2013 **BS, Computer Engineering**, *Dokuz Eylul University*, Turkey.  
Ranked 3rd in Computer Engineering Department in terms of CGPA (3.5/4).
- 2007–2013 **BS, Electrical and Electronics Engineering**, *Dokuz Eylul University*, Turkey.  
Ranked 1st in E&E Engineering Department in terms of CGPA (3.62/4).

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## Projects

**Vehicle Tracking System, Website & Mobile Application & Hardware Design.**  
A vehicle tracking system based on BeagleBone. Includes cross-browser website, mobile application for Android and IOS and desktop application for all operating system based on Qt.

**IDE for 8051 Intel Microprocessor, Qt Application.**

Developed an IDE for 8051 microprocessor. IDE includes a 8051 simulator, memory map, lexical and syntax analyzer and I/O pin voltage level led indicator.

**Android Mobile Phone Tracking System by using GPS, Wi-Fi, Cell-ID, Android Application.**

Tracking system for phone which has Android OS and show current position of phone on map online.

**Design and Implementation of an Unnamed Flying Object: Quadrotor.**

Designed a quadrotor with four propellers. Implemented and designed hardware of quadrotor, developed open source quadrotor software based on Kalman Filter and PID Space Equation.

**Design and Realization of an Automation System using Microcontroller Based IO Units and Ethernet Network.**

Designed an alternative system to PLC using PIC microprocessor.

**Symbolic Circuit Analyzer.**

Designed simple and user-friendly electronic circuit analyzer like Pspice. Program includes state equation of circuit according to I/O selection.

**Android Employee Login-Logout System with RFID Card Reader, Android Application.**

Phone based employee entry-exit tracking system for companies.