FIRAT GÜRSOY
SOFTWARE SPECIALIST

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GitHub	:	github.com/firatgursoy

Hi ! I'm a computer engineer and science addict from Turkey. I have been interested on developing software since the age of 15.

I specialize in web ui, desktop, mobile and back-end development with __Java__. I believe that I am also experienced in many other technologies, dev-ops and leading the development life cycle. I put emphasis on developing clean, efficient software, design patterns and perspectives (IOC, DI, TDD, AOP, OOP, BDD, Reactive Manifesto, Scrum & XP & Agile, Pair etc.).

I want to create added value for the world of software development industry and produce new technologies.

*I believe that the years are not important nevertheless my total working experience of development is almost for **9 years**.(On present 72 month full-time + 15 month internship + 18 month freelance)*

*My native language is Turkish and i am mid-level on daily and technical conversations in English. I have **type-b driver license**. My military service is **done**. My hobbies are reading articles about any topic of the science, theology, philosophy, politics and also playing chess and video games, listening and singing, coding on OSS .*

WORKING AREAS

- ERP applications
- Distributed application design
- RPC, SOAP and RESTful Web Services
- Microservices
- Android Client Apps
- SQL optimization
- Copy Routine, data structure generation
- Report Generation
- Software safety, licensing and obfuscation
- Preparing software design documentations
- Performance analysis / metrics
- Integration, overload, penetration testing

- Responsive UI Design
- Socket Programming
- Content Robots (Crawlers)
- Reverse Engineering
- PHP compiling (HHVM)
- Online Game scripting and management
- Big Data / Cloud
- Issue Tracking Systems
- Search Engine Optimization
- Machine learning
- CMS(WP,Vbulletin etc.) programming
- Smart Home Systems / IoT

EDUCATION

SAKARYA UNIVERSITY 2010 - 2014 SAKARYA/TURKEY	**Faculty Of Technology** **SauSensor -** For control of the Wireless Sensor Networks improve business intelligence structure with Restful Web Services - Used Spring ROO, Maven, Heroku, Log4j, Spring Core, Spring Security, Spring For Android,Spring MVC, JPA&Hibernate, AspectJ, PostgreSQL, Cordova etc. **SauRSSI -** Positioning with trilateration and path loss methods on Android Platforms - Used Android API **TraviNeural -** Online game strategy and auto-pilot application with artificial neural networks. - Used PHP,CURL Library,ANN Algorithms **Eit -** A basic issue tracking system like mantisbt. - Used Spring ROO,Maven,Heroku,Log4j,Spring Core,Spring - Security,Spring For Android,Spring MVC, FlexJson, - JPA&Hibernate,AspectJ,MYSQL etc.
AKHISAR ANADOLU TEKNIK LISESI MANISA/TURKEY 2006 - 2010	**Computing Division** Web/Multimedia Management and Webmaster

Any fool can write code that a computer can understand. Good programmers write code that humans can understand. @Martin Fowler

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WORK EXPERIENCE

YAŞAR BİLGİ IŞLEM VE TICARET A.Ş. (ASTRON)
08.2017 - PRESENT
İZMİR/TURKEY
eng.yasarbilgi.com.tr
	## Software Specialist
	
	Dijital.Şirket - An ERP software. I develop on SAP BW integration, bi, reports, performance analysis
	■ Used : Spring, Hibernate, PostgreSQL, Liquibase, Apache Camel, ActiveMQ
	     Dijital.Printer & Document Template Editor - Desktop and web application
	     PSU & YBP Integration - Integration web applications for companies
	     Production Node Editor (Bill Of Materials) - Vue UI application and java back-end for creating Bill of Materials data.
	Dijital.Integration - Vue material design and Java LDAP & Mail integration services.
	■ Used : Spring Boot, Spring Cloud Stack, Keycloak, Vu.
	Dijital.Form - Form builder application for creating auto-generated communication forms with metadata.
	Dijital.Izleme - Application for monitoring web application performance and metrics.

CONTROL 4 OTOMASYON TEKNOLOJILERI SAN. TIC. LTD. ŞTI
İZMİR 07.2014 – 10.2016 (FULL TIME)
İZMİR/TURKEY
control4.com
	## Full Stack Software Engineer
	
	Maar Project
	In short, Maar Project is an iot system for intelligent home management.
	I took place in the section of Project management analysis equipment, android, desktop and server-side software development.
	More info at : http://www.maar.com.tr
	Briefly developed sub-projects;
	     Maar Box - MaarBox is the android endpoint in the houses and perform home management.
	     Using Android APIs of GPIO, RS485, USB and TCP protocols for the management of industrial and household equipment was made.
	■ Used : Gradle, multi productFlavors, native libs, androidannotations, androidannotations-ormlite, ormlite-api, zxing, jpa, apache mina, bcprov,jsoup, csipsimple, crosswalk webview
	     Maar Mobile (IOS and Android) - It is a mobile software for remote home management. I took part in the android section of the project.
	■ Used : Gradle, multi productFlavors, native libs, androidannotations, ormlite-api, zxing, jpa, apache mina, bcprov,spring-android-rest-template
	     Maar Server - Software of data communication required for remote home management (MQ structure we have developed our own) and makes data management.
	■ Used : Maven, spring roo, thymeleaf, slf4j, jackson-lib, apache commons, mysql, hibernate, jpa, hibernate-validation, jsr303, spring-transactions, spring-security, apache mina, spring mvc, spring-websocket, spring boot, bcprov, spring data
	     Maar Project Builder - UI and data structure generator software of MaarBox and MaarMobile.
	■ Used: Maven, slf4j, spring boot, java-fx, jpa, jackson-lib, hibernate, h2 db, mysql, hsqldb, json-io, gson, spring data
	     Magic Buttons Project - Android and desktop software that can communicate directly with Control4 devices.
	     Magic Buttons Android
	■ Used: Gradle, commons, json-io, apache mina, grid-layout
	     Magic Buttons UI Builder - UI and data structure generator desktop software of Magic Buttons android app.
	
	Used: Maven, spring data, h2 db, jpa, hibernate, jackson-lib, gson, json-io, xstream, imgscalr, yamlbeans, msgpack, protobuf, protostuff, java-fx

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Siparişlerim Project
A Digital concierge service.
More info at : https://siparislerim.com
  Siparişlerim Android Application
- Used: Gradle, multi productFlavors, crosswalk webview, gcm.
  RestMail Web Application - Simple RESTful mail sending service.
- Used: Maven, javax.mail, spring-boot, spring mvc.
  GcmServer Web Application - Simple RESTful gcm notification service.
- Used: maven, spring roo, jetty, mysql, commons, jsr-303, hibernate-validation, slf4j, spring data, spring mvc, apache tiles, jackson-lib, jpa

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ARVENA AKILLI İŞ ÇÖZÜMLERI	# Java Software Developer

07.2013 - 01.2014 (INTERNSHIP) &
01.2014-06.2014 (PART-TIME)
SAKARYA/TURKEY
arvena.com.tr

SmartBase - Enterprise Android Framework
- Form Builder
- Easy Data Binding, Active Record
- Easy Logging, Theme Support, Telephony Managers UI Components
- Web Service Providers etc.

Arvena Store - Android-Based Inventory and Work Order Management System
- Mikro ERP Integration with .Net Web Services

Arvena Business - Operation Confirmation Application for Android
- Axapta (Microsoft Dynamics AX) Integration with .Net Web Services

Arvena Anket - Survey Application for Android
- Used SmartBase Form Builder

Arvena Gallery - Customizable gallery application for Android

MKSMontaj - Operation Confirmation Application for Android
- Mikro ERP Integration with .Net Web Services
- Used SmartBase Enterprise Android Framework

ARMAP - Customer Positioning & Salesman Control Application for Android
- Arvena Salesman Integration
- Used Google Maps API

DTS TEKNOLOJI AR-GE YAZILIM EĞITIM VE DANIŞMANLIK

07.2012 - 01.2013 (INTERNSHIP)
SAKARYA/TURKEY

.Net Software Developer

Created apps for automate Preprocessing of Particle Simulation 3d Modelling with SolidWorks API, OpenCascade and QT.

FREELANCE

05.2010-11.2011
REMOTE

Search Engine Optimization (SEO) Specialist

Development of more than 150 websites which includes SEO tasks was completed. SEO and SEM softwares were developed with php.

GÜRKOM İLETIŞIM BILGI İŞLEM VE GÜVENLIK LTD.ŞTI

04.2008 - 09.2008 (INTERNSHIP)
MANİSA/TURKEY

Web Development Assistant

Web site development

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TECHNOLOGIES

DevOps
- Sonatype
- Jenkins
- GitLab
- Bash scripting & Deployment processes
- Graylog
- Grafana, prometheus, Graphite
- Docker and kubernetes (only dev. env.)

Documentation
- xwiki
- gitlab/github
- ms office
- swagger

Platforms
- JIRA
- Heroku
- MantisBT
- Bitbucket
- Github

Tools
- Apache Maven
- Docker Compose
- Gradle
- Npm
- Svn
- Git
- Tomcat
- Jetty
- HHVM
- Jitpack
- Postman
- SOAPUI
- Vsphere Client and Virtual Box,VNC

Testing
- Selenium
- TestContainers

IDE
- IntelliJ IDEA & PhpStorm
- MS Visual Studio
- vscode
- Netbeans
- Eclipse & Eclipse MemoryAnalyzer
- DBeaver
- OllyDbg
- Adobe Fireworks & Flash
- Adobe Photoshop
- SolidWorks API

Backend
- Java
- Android API
  - WebRtc Client
  - Android Annotations Lib
  - Dagger
  - RabbitMQ
  - Modbus,GPIO,rs485,usb (Industrial devices)
  - knx calimero
  - libvlc
  - Crosswalk Webview
  - Spring For Android
  - Csipsimple
  - Libvlc
  - Jsoup, zxing, bcprov, imgscalr
- Spring Framework
- Spring Microservices
  - Spring Boot
  - Spring Core
  - Spring Data & Transactions
  - Spring Data R2DBC
  - Spring MVC & Mobile & RESTful Web Services
  - Spring Reactive Stack
  - Spring Retry
  - Spring Circuit Breaker
  - Spring Config Server
  - Spring Vault
  - Spring Security
  - Spring For Android
  - Spring ROO
  - Spring Web Flow
- Vertx (Reactive discipline and networking)
- Apache Camel
- J2SE,J2ME,JMS
- AspectJ
- WebSocket
- .Net Framework
- Yii Framework
- A bit of Objective C and dev. env.

Security
- Keycloak
- OWASP tools (ZAP etc.)

Persistence
- Data warehouse knowage
- Materialized Views
- Streaming data analysis
- Hazelcast
- Liquibase
- Elide & GraphQL
- ElasticSearch
- ORMLite
- JPA & Hibernate
- Postgres, MYSQL, H2Db, MSSQL, SQLite
- Jackson Mapping, json-io, JAXB, xstream, yamlbeans, msgpack
- MongoDB with Spring ROO
- Protocol Buffers, protostuff
- HikariCP

Presentation
- Jquery
- Vue.js
- d3.js, tabulator etc.
- Dev Express (.net only)
- Swagger
- Grafana
- Thymeleaf
- JSF (PrimeFaces)
- Twitter Bootstrap
- Apache Tiles
- Freemarker
- Jasper Reports
- Java FX 2
- JOGL
- WPF/Silverlight
- QT

Learning and interested on;
Native Cloud, GraalVM, loadbalancers and service discovery (kubernetes, nginx, zuul, eureka), distributed transactions, AWS, Akka, Redis, jhipster, CQRS, fabric8, karaf, portlet,Apache spark, istio, graalvm, quarkus, cuba-platform, kotlin, flutter & dart lang, Cucumber, buck.

My OSS
- Fluent Query
- Apache-Mina-Builder
- (I working on a js library in these times)

Please look over my github stars for what i'm interested on now.
github.com/firatgursoy?tab=stars

Peace.

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