

# Burak Erkan

## Personal Info

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**E-mail:** burak@yazilim.vip  
**Birth Year/Place:** 1985/Malatya  
**Martial Status:** Married (1 kid)  
**Military Service:** Done - 2011  
**Driver License:** B  
**LinkedIn:** linkedin.com/in/burak-erkan

## Languages

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### English

**Reading:** Upper-Intermediate **Writing:** Upper-Intermediate **Speaking:** Intermediate

### YÖKDİL Exam

**Physical Sciences English :** 78/100

## Education

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### Master (Thesis Phase)

**Akdeniz University, Antalya**  
Computer Engineering 2018 –  
**Thesis Subject:**  
Room-Based Energy Consumption Prediction with Machine Learning in Industrial Cold Storage

### Under Graduate

**Cyprus International University, Nicosia**  
Computer Engineering 2004 – 2010

## Qualifications

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### Programming Languages

**Advanced:** Java  
**Intermediate:** JavaScript, HTML & CSS, Bash Scripting

### Experiences

- **Frameworks :** JSF, Primefaces,, Spring Boot
- **Libraries :** HTML5-Canvas (PaperJS), jqPlot Charts and Graphs
- **RDBMS :** MsSQL, PostgreSQL, MySQL, JPA (Hibernate, EclipseLink, MyBatis)
- **Build Tools :** Maven
- **Project Management :** Jira, GitLab
- **VCS :** Git, SVN
- **CI Tools :** Jenkins
- **Containerization :** Docker
- SOLID Principles
- Object Oriented Paradigm
- Software Architecture Design (Back-End, DB, Business Layer))
- Microservices Architecture (Spring Boot)
- Multi-Module Project Structure (with maven)
- Linux Server Management
- Linux Terminal, Office Apps

# Experiences

## Work Experiences

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### Lead R&D Software Engineer

**Date:** 01/2018 - Present

**Company - Place:** Cantek Group - Antalya

**Goal:** Development of Industrial Control Systems (ICS) and Early Warning Systems (EWS) with local device or cloud server based web applications for industrial storage and vertical plant factories.

**Job Description:**

ICS systems are generally managed autonomously by controller devices consisting of PLC or electronic cards developed with embedded software. By communicating with the controller devices, the necessary data is sent to the monitoring system designed with micro service architecture in cloud servers. Designing software that offers analytical solutions over large data sets created in the cloud environment, developing it with software and embedded software teams. - Using Hybrid Database Architectures with combining PostgreSQL + Cassandra technologies

- Design and develop Java Microservices with Spring Boot (mostly Spring Framework Core, Spring Security and Spring Cloud Modules) and deploying them as Docker containers on the server
- Configure a system running on the some of Linux distributions and apply DevOps using CI/CD Softwares running inside separate Docker containers.

- Managing source code via GitLab

- Compiling Spring Boot applications with Maven via Jenkins

- Serving JARs on the JFrog Artifactory via Jenkins

### Sn. R&D Software Engineer

**Date:** 07/2015 - 01/2018 (2 years 7 months)

**Company:** Cantek Soğutma - **Place:** Antalya

**Goal:** Design and develop local monitoring device.

**Job Description:**

We have completed the Local Monitoring System project, which communicates with electronic controllers developed with embedded software, stores this data in its own database and provides monitoring service on the web.

Technologies I used while developing this project;

Multi-Threaded Java servisleri(Linux deamons)

JSF2.1+Primefaces6+Js+HTML5-Canvas pages

PostgreSql

**Outcome:** Local monitoring system device was developed and put into service

### Computer Engineer

**Date:** 10/2013 - 11/2014 (1 year 2 months)

**Company:** Mavi Güvenlik - **Place:** İzmir

**Goal:** Managing digitalization processes and implementing software projects.

**Job Description:**

Studies were carried out through the service and maintenance tenders opened by state institutions such as the Ministry of Justice and PTT. In this context,

high security CCTV, handheld biometry and eye biometry devices, tourniquet and x-ray systems were installed and software supported.

In line with the internal and external needs of institutions, we started and successfully completed 2 software projects.

1) Project tracking application to be used in line with company needs

JSF+MySql

2) Desktop application for prison meal organization

Swing + MySql

### Software Developer

**Date:** 03/2013 - 06/2013 (4 months)

**Company:** Tez Tour - **Place:** Antalya

**Goal:** Development of web applications for agencies and end users.

**Job Description:**

I have been involved in bug-fixing and developing new modules in web applications actively serving in one of the world leader companies in the tourism sector.

Spring MVC, JS + JQuery **Outcome:** Use of information technology in assessment for educational assessment

### Jr. Computer Engineer

**Date:** 2007 - 2010 (3 years)

**Company:** Mikro Yazılım (KKTC) - **Place:** Lefkoşa

**Goal:** Studies on software support staff and information systems.

**Job Description:**

Micro software installation and technical support task in 'Cyprus Mikro Destek' firm which is the representative of the Turkish Republic of Northern Cyprus of the micro software house at the same time, I worked as the assistant of Northern Cyprus Belça Shopping Malls Information Systems Specialist.

## Start-up Projects

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### Yazılım VIP (<http://www.yazilim.vip>)

**Date:** 07/2018 - Present

To keep this platform open to everyone who is competent and willing to share what we call an open source world.

A platform aimed at presenting our competencies to the open source world without waiting for a response.

### Goldigo (<http://www.goldigo.net>)

**Date:** 03/2014 - 01/2016 (1 year 10 months)

Goldigo was founded in 2014 as an online gaming platform. It was developed as a web application on JSF and MySql as an infrastructure. This platform has been actively used by users from all over the world. It was chosen as the second most preferred platform by Wow players for a period.

## Attended Organizations

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**Clean Code Seminar :** Master Seminar

**ICAIME 2019 :** Participant

**GDG 2019 :** Participant

# State Founded Projects

## CLOUD-BASED SCALABLE AND EXPANDABLE CENTRAL MONITORING AND MANAGEMENT SYSTEM FOR COLD STORAGES

Tübitak Teydeb Desteęi

**Programı:** 1501

**Tipi:** Hibe

**Oranı:** %75

**Pozisyon:** Project Manager & Software Development Team Leader

**Project Description:** Geliştirilen yazılım sistemi ile dünyanın 45 ülkesine ürünlerini ihraç etmiş bir grup şirketinin bayilik ve izleme sistemi üzerinden organizasyonel ihtiyaçlarının karşılanması.

Gelişleyebilir ve ölçeklenebilir yazılım mimarisi.

### Technologies

- **Software Development** Java, Spring Framework Ecosystem(Spring Boot, Spring Cloud, Spring Security, Spring Gateway etc.)
- **Frameworks & Libraries** Angular, Hibernate, HTML5-Canvas
- **Database** Cassandra, PostgreSQL
- **Project Management** GitLab