Burak Erkan

Personal Info

Phone Contact thorugh mail if needed
E-mail burak@yazilim.vip
Birth Year/Place 1985/Malatya
Martial Status Married (1 kid)
Driver License B
LinkedIn https://www.linkedin.com/in/burak-erkan

Languages

English

Reading: very good **Writing:** good **Speaking:** good

Education

Graduate(Thesis Phase)

Akdeniz University, Antalya
Computer Engineering 2018 –

Under Graduate

Cyprus University, Nicosia
Computer Engineering 2004 – 2010

Skills

Programming Languages

Basic: Python
Intermediate: Kotlin, Bash Script, PHP, JavaScript, HTML, CSS
Advanced: Java

Programming Skills

- **Frameworks & Libraries** Primefaces, React JS, Spring Framework Ecosystem(Spring Boot, Spring Cloud, Spring Security, Spring Web etc.)(Advanced)
- **Database Management** SQL, MySQL, PostgreSQL, ORM(MyBatis, Hibernate) - **Build Tools :**Maven, NPM
- **Project Management**Jira, GitLab
- **VCS** Git, SVN
- **CI Tools** Jenkins, GitLab CI, GitHub Actions
- Object Oriented Paradigm
- Flexible Software Architecture Design
(Back-End (DB & Business Layers))
- Microservices Architecture (Spring Boot Services)
- Multi Module Project Structure (with maven)
- Centralized Authentication (OAuth 2.0 Spring Security + Keycloak)
- Devops Cycle, Linux Server Management,
- Office Apps, Linux Terminal, Effective Search Engine Usage

Experiences

Work Experiences

Jr. R&D Software Engineer

Date: 07/2018 - 08/2020 (2 year 1 months)
Place: Cantek Group
Goal: Based on the existing architecture, a flexible and scalable architecture solution was built and implemented from scratch.
Job Descirption:
- Using Hybrid Database Architectures with combining PostgreSQL + Cassandra technologies
- Developing 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 Ubuntu 16.04 server 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
Outcome: A customizable system solution has been provided to solve the problems in the old system and to meet the requirements requested by the users from the old system.   ,

Java Developer

Date: 06/2016 - 06/2018 (2 year)
Place: Akdeniz University BAUM
Goal: Implementing a computer-based assessment system for educational assessment.
Job Description:
- Developing Java Web Apps (Spring MVC) with using Spring framework
- Providing communication between web apps and database over RESTful Service
- Compiling applications with Maven, sending them to the SVN environment, serving them on the Tomcat Server via Jenkins.
Outcome: Use of information technology in assessment for educational assessment

Side Projects

IconConference2017 Website

Custom-designed WordPress theme for the customer. The theme also includes a basic file upload mechanism. The theme was used for IconConference 2017 conference website.

Spring VIP

Link: https://springvip.yazilim.vip/
A Java Spring Library that provides helpful generic and utility classes. Some of the features provided by the library are generic CRUD Service and Rest controllers. maescript

Maescript

Link: https://yazilim-vip.github.io/maescript/
A very useful set of Linux commands

Attended Organizations

UBMK 17: Crew
3. Antalya Bilim Şenliği: Participant
Linux Seminar: Undergraduate Seminar

Publications

[1] Canberk Ardıç, Mehmet Arif Emre Şen, and Mehmet Karakoç. "RESTful Web Servisleri ve Android Kullanılarak Genel Bir Kullanıcı Doğrulama Sisteminin Arduino Mikrodenetleyici Kart ve RFID Teknolojisi ile Tasarımı ve Gerçekleştirimi". In: *Türkiye Bilişim Vakfı Bilgisayar Bilimleri ve Mühendisliği Dergisi* 12 (2019), pp. 19–29. ISSN: 1305-8991.

[2] Mehmet Karkoç, Alperen Aksoy, Mehmet Arif Emre Şen, and Melih Günay. "Outcome Focused Computer Based Assessment System using Intelligent Shuffling Algorithm". In: *26th International Congress on Educational Sciences* (2017), pp. 1459–1460.