Ahmet BAYIRLI

Personal Info

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LinkedIn Profile

Ovecler Mh. 1335 Sk. 29-5
Ankara/Turkey

Education

Ph. D. Hacettepe University
Nanotechnology – 2016

B. Sc. Istanbul University
Electronics Eng. – 2006

High School Of Science
Kutahya - 2000

Skills

JAVA
Web, REST, SOAP

Hibernate, JPA

Play Framework 1.2.5
Spring Framework
Spring Boot
Struts, JSP
REST, SOAP
Javascript
Jquery/AJAX
HTML, CSS, XML
JUnit, Mockito
Git, SVN
Android, Kotlin
Swift, Flutter
Latex, Xetex

A curious student of
Embedded Programming,
Microcontrollers, Assembly,
C++

A curious student of Flutter,
Dart

A curious student of Machine
Learning, Python

Profile

• Electronics engineer with 10+ years of hands-on software development experience.

• Very strong CS skills. (OOP, clean code, extreme coding, design patterns, SOLID, build processes, testing, and operations)

• Experienced in building code using the following skills: JAVA/J2EE, JSP, Spring, JUnit, HTML, CSS, Jquery, AJAX, JavaScript, SOAP, REST, ORM, and SQL.

• Strong experience with frameworks – PlayFramework 1.2.5, Spring MVC, and Struts 2.

• Hands-on development experience, leadership experience, client-facing experience, continuous integration.

• Good communication skills and able to articulate his thoughts. Expertise in Agile/Scrum methodologies and involved in projects using the same.

• Have excellent time task planning and prioritization skills.

• Excellent interpersonal skills including crisis management, conflict management, problem-solving, and client management.

• Strong written and oral communication skills including the ability to express design ideas.

Experience

Freelancer
Developer/Consultant (March 2020 –)

I am developing Android/iOS mobile applications for businesses by using Java, Kotlin, Swift and Dart. I have successfully completed and published various projects. My current favorite is Flutter. I have used it for 4 different projects and counting on.

Mizmer B.T.
Coordinator (September 2019 – March 2020)

Mizmer was a consultancy company in education and physchology fields.
I have worked as a web architect and coordinator of the 3 development teams, each consist of 2-3 members. Teams were developing Web, REST, and mobile applications by using PHP, .Net, Kotlin, and Swift. I have orchastrated the refactoring of current monolith products of the company into a service-oriented architecture. During this task, I have developed integration projects to be used for data migration. Our products had been used by thousands of high-school students and teachers. Mobile applications had been downloaded over 10K.
I have also worked as a developer. I have developed android mobile applications and a decision tree implementation project for one of the online tests that we apply to customers.
The company stopped its operations during the COVID-19 crisis.

Languages

Turkish (Native)
English
(IELTS: 6.5/9)

Publications

Nanoscale structural investigation on Ti-6Al-4V implants produced by using selective laser melting technique: The importance of production angle. Journal of Materials Research and Technology.
10.1016/j.jmrt.2019.04.019

Oral and poster presentations on various conferences

Community Works

WebMaster at school laboratory website
www.swaxs.hacettepe.edu.tr/

WebMaster at Turkish Physics Foundation website
http://www.tfv.org.tr

Mentored to high school students in TeknoFest Rocket Contest, Developed embedded programs for control circuitry using Arduino.
https://www.teknofest.org

References

Prof. Dr. Semra İDE
Hacettepe Univ. Dept. of Physics Engineering
+90 506 584 8133

Hobbies

Ham Radio (TA2ABA)
Cycling, Trekking
Photography
Guitar

Student Selection and Placement Center, (ÖSYM)

Coordinator (January 2018– April 2019)

ÖSYM is a government institution that conducts nationwide exams in Turkey, for millions of students. (50+ exams, each year.) There are various types of exams such as; multiple-choice or open-ended, and paper-based or computer-based.

As a coordinator, I was responsible for 5 development teams each has 2 developers. Teams were developing various projects such as e-Exam, Item Pooling, Exam Preparation, Payments, Open-ended Exam Evaluation, Reporting services. While coordinating these teams I was working as both scrum master and product owner and also mentoring as a software architect. I have also kept working as a developer. Technologies that I used at ÖSYM were Java 7-8, Play Framework 1.2.5, Spring Boot, REST, SOAP, Javascript, Jquery, HTML5, CSS3, SVN, MySQL, SQL Server, H2, GWT, Selenium, Junit, Swing.

Senior Software Developer (December 2012 – January 2018)

I have worked in the development of two projects;

• E-exam system is a mission-critical and downtime intolerant assessment system for the institution. e-Exam System is composed of one computer-based assessment web application which works on-promise in a computer network composed of 5K computers, and other web applications responsible for data transfer, exam preparation and exam hall management. This project was a serious challenge for performance, security, functionality, and accessibility requirements since the institution is highly concerned about security and students are highly sensitive about equal opportunity. I have developed my own browser plugins for security concerns, my own second-level cache mechanism for performance issues, provided accessibility solutions for visually impaired students, I have served online demo versions, I have even developed a queuing application to manage toilet breaks of the students. I am proud of this product since it serves very well to 50K+ students each year.

• Open-Ended Exam Evaluation application has a highly complex business logic. In this system, after paper-based open-ended exams are conducted, all of the booklets of the students are scanned and transferred to the system to be evaluated by referees. This project was a serious challenge for modeling because of its complex requirements. I am proud of this product since the institution saves several hundred thousands of dollars per exam

Social Security Institution (SGK)

Java Developer (December 2006 – December 2012)

I was responsible for the maintenance of various web applications developed by senior developers. I have also developed the 2022 Project which is used by 100+ users to serve 1M+ citizens. Consuming various web services from different government institutions was a challenge in this project. I am proud of this project it reduced the response time of the department from 30 days to 1 day per citizen. Technologies that I used at SGK were Java, DB2, JSP, Struts2, Hibernate, SOAP, CVS, Ajax, JQuery.