

Employment

Senior Software Design Leader **Mobiliz** **June 2016 – Present**

- Took a key role in optimization and transformation of a legacy project.
- Designed a microservice architecture and developed modules for both customers and internal requirements.
- Reduced message processing time by around 50% in a high-traffic production environment.

Software Team Leader **Comodo** **January 2015 – June 2016**

- Promoted to Software Team Leader to lead a team of three junior software engineers to develop web projects.
- Involved in design and development process of an R&D project in a Scrum team.

Software Engineer **TechNarts** **October 2011 – December 2014**

- Optimized, maintained and developed SOAP web services in a critical and high-traffic production environment.
- Prepared project plans and technical documents for TÜBİTAK – 1507 and Horizon 2020 grant programs.

Software Engineer, Part-time **MikroBeta** **November 2010 – October 2011**

- Developed Java based desktop tools to support sales team and a printing module to PHP based product.

Software Engineer, Intern **Minder IT Solutions** **March 2010 – June 2010**

Software Engineer, Intern **YD Software Co. Inc** **June 2009 – July 2009**

Education

Ankara, Turkey **Middle East Technical University**

- Ph.D. in Computer Engineering, Fall 2014 – Present. GPA: 3.29.
- M.Sc. in Computer Engineering, Fall 2011 – Spring 2014. GPA: 3.21.
- B.Sc. in Computer Engineering, Fall 2006 – Spring 2011. GPA: 2.61.
- Graduate Coursework: Data Mining, Knowledge Engineering, Natural Language Processing, Artificial Intelligence, Machine Learning, Human Computer Interaction, Algorithmic Trading, Web Search Engine Design.

Languages and Technologies

- Java, PHP, Python, C/C++, Scheme, Haskell, PL/SQL
- MySQL, PostgreSQL, Oracle, SQLite, MongoDB, Cassandra, Neo4j, HBase, Redis
- HTML, CSS, JavaScript, AJAX, Django, Zend, CodeIgniter, ExtJS, JQuery, D3.js, AngularJS
- Spring, JAX-WS, JAX-RS, JPA, JDBC, Hibernate, JSP, NodeJs, Maven, Docker, Git

Projects

- **Emove NG:** a vehicle tracking system which processes messages from vehicles to apply business rules and provides a RESTful API for monitoring and management in a microservice architecture (Java, NodeJs).
- **Whitelisting:** a project to categorize software publishers as trusted, potentially unwanted or malware (NodeJs).
- **Web Filtering:** an R&D project to classify web pages based on density segments in their textual content (Java).
- **Turkish Pharmaceutical Track and Trace System:** application of the well-known "Track & Trace" structure to track and trace all serialized units that belong to each pharmaceutical product in Turkey (Java).
- **eMine: Web Page Transcoding Based on Eye Tracking:** (thesis) a research project for identifying visual elements in web pages with a rule engine and transcoding web pages based on eye tracking scanpaths (Java).
- **Eclipse - Accessibility Tools Framework:** implementation of a web page segmentation algorithm in an open source project that aims to evaluate and enhance accessibility of applications for people with disabilities (Java).
- **SNMP Agent & Network Simulator:** (senior project) a network simulator which creates a virtual network environment and IP devices to test them in this environment (Java).