

erincinci

software engineer



about

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languages

english, *fluent*
italian, *beginner*
turkish, *native*

experience

2017 - today

Xebialabs, Hilversum NL

Senior Software Engineer

DevOps-as-Code - Developing **Blueprints** feature for helping customers' migration to cloud become easier. Using **GoLang** and **Go Templates** as CLI side, and **python** & **Java** for the XLR, XLD plugin development. Also defining best practices for cloud architectures and giving customers blueprint samples for AWS, Google Cloud and Azure. **XL-Impact** - Developed project using **Google Cloud Stack**, **Google Storage**, **Google PubSub**, **Google DataProc** and **ElasticSearch** technologies. Hands-on experience in both **React** & **TypeScript** UI and **Java/Spring** & **protobuf** public APIs, crawlers and data processing modules. Public APIs are developed to have both **gRPC** & **REST** endpoints available for plugin developers.

2013 - 2017

COMODO, Ankara TR

Senior Software Engineer

Crawler (Team Leader) - Working with **Java 8**, **Python** and **Node.JS** backend modules, as well as **Java GWT** frontend modules for managing Comodo's web crawler system. Collecting and analyzing crawled web site contents and information using **ElasticSearch**, **MySQL** and **DigitalOcean**.

AdTrust Ad Network (Developer) - Working mainly on ad selection **Java 8 REST Web Services** and **Node.JS** backend modules. Gained hands on experience on scalability, various data stores (**ElasticSearch**, **Cassandra**, **Hadoop**, **MySQL**), caches (**Redis**, **Memcache**), message brokers & task queues (**RabbitMQ**, **Kafka**, **Beanstalkd**), frameworks (**Spring**, **Jersey**, **Storm**, **Angular.JS**) and cloud systems (**AWS**).

Using **Git**, **Jenkins** and self-developed **MagePanel**. Worked with **Linux** production servers.

2012 - 2013

erbul, Ankara TR

Software Engineer

Developed Turkish Vaccine Tracking System's backend low-level message processing module with **Java**, using **Netty** & **Storm** frameworks and **MongoDB** datastore.

Developed web based **ASP.NET** business applications in **C#** for Turkish Ministry of Health using **DevExpress** framework.

Also managed company's transition process in revision management (**Git** with **GitBlit** UI) and continuous integration systems (**Jenkins**).

2011 - 2012

KOVAN Research Lab., Ankara TR

R&D Engineer

Completed research project funded by Turkish Aerospace Industries (TAI). **ArduCopter** open-source platform was used and modified with other components like additional **Gumstix** on-board computer, **XBee** radio modules and extra sensors. For demonstration, three quad-rotors were flown autonomously in a leader-follower layout. **Arduino** flight controller software was modified with **C++**, and coordination module software was developed with **C**. Worked with **Ångström** linux on Gumstix.

2010 - 2010

Ossabest AASU, Savannah GA


Part-time Software Engineer

Project was funded by the National Science Foundation. Worked in a team developing a web-based user interface for manipulation of field sensor data. **JavaServer Pages** technology was used.

papers

- 2016 **A Privacy Preserving Anti-Malvertising System** ^{1st author}
International Symposium on Cyber Defence and Security (ISCyDES'2016)
- 2015 **Privacy Preserving Secure Online Advertising** ^{3rd author}
Istanbul University - World Conference on Technology, Innovation and Entrepreneurship

education

- 2012 - 2015  **Middle East Technical University** (GPA 3.45) ^{Ankara TR}
M.Eng. in Computer Engineering
- 2009 - 2010  **Armstrong Atlantic State University** (GPA 4.0) ^{Savannah GA}
B.S. in Computer Science (*Courses taken for a year - Not completed*)
- 2004 - 2011  **Gazi University** (GPA 2.64) ^{Ankara TR}
B.E. in Mechanical Engineering


projects

- 2017 - 2018 **Sara Health Assistant** ^{<https://www.saracare.com.br/>}
Application for connecting patients with doctors. Worked on the **crawler** modules, scraping various laboratories for exam results and sending them to the API. Used **scrapy** with **python** and **beanstalkd** queue for job management. Also successfully bypassed various captcha protections using **tesseract** & **openCV** libraries.
- 2014 - 2015 **MagePanel - Deployment Automator** ^{erincinci.github.io/magepanel}
Deployment automator UI, using Magallanes project in the backend. Written with **Node.JS express** framework and **Twitter Bootstrap** components. Also taking advantage of **Socket.IO** and **jQuery** frameworks.
- 2014 **Behavioral Ad Targeting** ^{Prezi: <https://goo.gl/e6CTa3>}
METU Computer Eng. Master's Degree graduation project, designed to guess user intentions based on their past web usage, and target appropriate ads to them to increase the chance of getting a click. **Hadoop** is used for storing past web usage, **Mahout** library is used for data mining and a **Java** web service is used for selecting appropriate ads in real-time. This project is also accepted as a part of AdTrust ad network.

certificates

- August 2015  **CS190.1x: Scalable Machine Learning** ^{edX Berkeley}
Honor Code Certificate (<https://goo.gl/QSrejQ>)

awards

- 2010  **AASU Presidential Scholar** ^{Armstrong Atlantic State University}
Academic Excellence Award for the 2009-2010 Academic Year

voluntary work

- 2005 - 2009 **Ankara Anittepe Rotaract Club** ^{Ankara TR}
Secretary duty between July 2008 and June 2009