CURRICULUM VITAE

Personal Information

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Nationality:	Turkish
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Software Skills

Programming Languages:	Golang, Java, Python, JavaScript
Framework & Libraries	Spring, Django, Flask, React, Vue.js, Libpcap
Operating Systems:	Ubuntu, Debian, CentOS, Windows 7+
Development Methods:	Waterfall, Agile
Application Environments:	AWS, Glassfish, JBoss, Apache Tomcat, Google Cloud
Project Management:	JIRA, Confluence, Bitbucket, GitHub, Gitlab, Trello
Virtualization:	Docker, VirtualBox
Tools:	IntelliJ, Goland, PyCharm, VS Code, Eclipse, Vim, MS Office
Version Control:	Git, SVN, CVS
Other:	Scrapy for Web Scraping, JavaFX, JSF, Apache Kafka, ZeroMQ, AWS Lambda, DynamoDB, Athena, API Gateway, Swagger

Work Experience

May 2022- **Present**	**Picus Security (https://www.picussecurity.com)** **Cyber Security** **Team Lead / Senior Software Engineer**
Role Description:	*Keywords: Golang, PostgreSQL, Elasticsearch, AWS, Attack Surface Management, Detection Rule Validation*

I joined Picus as a software engineer for a team which was just initialized to develop a new product, named Detection Rule Validation, for Picus platform.

Subsequently, I was appointed as the team leader for a team established to develop the ASM (Attack Surface Management) product, which is crucial for the company's vision and mission. This position was my first managerial role in my career and was incredibly beneficial, especially in terms of improving my soft skills. Alongside soft skills, I also made significant progress in enhancing my technical abilities. I gained experience and had positive experiences in many areas, such as establishing software architecture, managing technical debt, making design decisions, and implementing them.

October 2020 - **May 2022**	**ARGELA Technologies** (https://www.argela.com.tr) *Telecommunications* *Software Engineer*
Role Description:	*Keywords: Golang, Python, Java, Spring-Boot, Libpcap, Packet Capturing, Protocol Parsing, ZeroMQ*

Working as a Software Engineer in several projects including I have worked for before. I have been working on the same projects in my first ARGELA experience. In addition to those projects, I have been working for a network and session manager project. I have been involved in this project since the very first spring. In the first phase of the project, I developed a python module which is capturing packets from network interface card via libpcap, parsing and enhancing its content. Enhanced packets are sent to other services via ZeroMQ. For the first phase, it was a proof of concept. Because of performance issues of python, in the second phase, we decided to develop this module in Golang. I have been developing this module in Golang. Besides features of old python module, I developed new features for Golang module such as very powerful configuration method to make users configure whether a packet should be discarded or not.

December 2019 - **October 2020**	**STM** (https://www.stm.com.tr) *Big Data and Defense Industry* *Software Engineer*
Role Description:	*Keywords: ReactJS, Redux, AWS, Lambda, DynamoDB, Cognito, Microsoft Active Directory, MongoDB, and Python.* I was working as a Software Engineer in several big data projects. The first project consists of a team of 6 people which has 3 developers. I have been involved in this project before it has been started and I had a role in the process of design project architecture. I have been developing the frontend of the project with ReactJS and Redux, and in addition to frontend, I have been developing backend functions on AWS Lambda by using Python and Java. We have used AWS DynamoDB as a database for this project, and I have designed data architecture of the most tables about frontend. Also, for this project, I have integrated AWS Cognito service and Active Directory Service of the customer for user management, and I designed role/permission architecture. My second project was also a big data and machine learning project. I have developed REST client in Python and designed our MongoDB collection architecture. This project was an integration project consuming external API resources and producing data for these API resources.
July 2018 - **December 2019**	**ARGELA Technologies** (https://www.argela.com.tr) *Telecommunications* *Software Engineer*
Role Description:	*Keywords: Java, EJB, ASN.1, Apache Wicket, Spring Boot, Angular, MySQL, Glassfish, JPA, Hibernate.* I was working as a Software Engineer in a telecommunication project. The project consists of a team of 6 people which has 2 developers. I have been involved in this project when it has already been in production. The project contains java applications running on application servers Glassfish and JBoss, and several modules on different works. It has GUI written with wicket framework of JAVA and EJB for backend application which is able to communicate with network elements by ASN.1 protocol. In addition, we used RESTful API for communication between modules inside the project. Modules were using MySQL for database and developed as using Java Persistence API.

In addition to the project above, I have been involved in another telecommunication project which is parsing huge data on intense UDP traffic. Developing backend modules via Spring Boot and using Angular for GUI. I have also gotten familiar with nginx to publish Angular project, and Kafka to pass critical data between modules and alarms.

June 2017 - **October 2017**	**BOTT Bilgi Sistemleri Ltd. Sti.** (https://www.bott.com.tr) *Information Technologies* *Intern Software Engineer*
Role Description:	*Keywords: Java, JavaFX, WSDL* Working as an intern software developer on subscription management project for campus facilities. I developed a desktop application with a graphical user interface used for controlling subscription of university facilities for students and campus staff. The application is developed by using JavaFX and it has service for communication between javax-ws web service of university.
July 2016 - **September 2016**	**TAI(TUSAS)** (https://www.tusas.com.tr) *Defense Industry* *Intern Software Engineer*
Role Description:	*Keywords: C++, OpenCV, DDS, Image Processing* Working as an intern software developer on national aircraft project. I developed some modules for detecting target objects and calculating distance from it several ways such as radar and infrared camera. I used OpenCV for detecting and DDS (Data Distributed Service) for exchange of information between modules. In addition, I developed a program for a testing project sending commands via UDP to Flight Simulator in order to make aircraft fly in specific pattern.
July 2013 - **September 2015**	**BOTT Bilgi Sistemleri Ltd. Sti.** (https://www.bott.com.tr) *Information Technologies* *Part-time Volunteer Intern Software Engineer*
Role Description:	*Keywords: Java, JavaFX, C#, Serial Communication* Working as a part-time intern voluntarily in order to improve my technical skills and to gain experience during my student years. I have worked on several projects in those two years. I have used JSF and JavaFX for GUI designs. I have learnt C# for Windows Embedded

Application and Serial Communication via RS-232. I have been familiar with these technologies.

Educational Background

July 2013 - June 2018	**Middle East Technical University (https://www.metu.edu.tr)**
	Department of Computer Engineering
	Bachelor of Science
	Senior Design Project (Photo Backup Application)
	Developing an android mobile app to show and backup photos and a desktop application with GUI to store backed-up photos. In addition, developing secure P2P communication between mobile and desktop app to transferring photos. Database implementation and design for project. Developing and deploying central server to Glassfish for exploring P2P nodes each other.
August 2009 - June 2013	**Umitkoy Anatolian High School (https://umitkoyanadolulisesi.meb.k12.tr)**
	Science