



Yavuz Selim Yeşilyurt

Computer Science Undergraduate

*A highly self-motivated 3rd Year Computer Science student.
Eager to learn and apply extensive practices in the field of
Computer Science.*

Education

2016-2020 **Bachelor's Degree**, *Middle East Technical University, Ankara*, CGPA 2.9.
Computer Engineering

Experience

- June 2018 - **Summer Intern**, *Özgür Yazılım Inc., Ankara Turkey.*
- August 2018
- Linux System Management & DevOps
 - Experienced Web Server technologies on both real and virtual servers; also learnt many fundamental Operating System and Network concepts and protocols.
 - Practiced installations and configurations of LAMP servers and applications behind them such as Apache, nginx; also experienced and practiced proxy and reverse proxy servers on nginx.
 - Experienced tools such as Gitlab, Jenkins, Redmine, ToggI, Vagrant and Docker also protocols such as LDAP.
 - Wrote Bash scripts for specific tasks such as LDAP backups and automations for various purposes.
 - Wrote an automation which automatically gets virtual developer platform ready on a Vagrant machine for specified WordPress projects that resides in company's test servers for WordPress developers. Automation has been written with a Vagrantfile and several bash scripts which calls each other and contains support from some Jenkins Jobs and Gitlab repositories from the company's associated servers.

SkillSet

- C/C++ Implemented many data structures and various algorithms; built a personal template library; practiced various OOP and Operating System concepts
- Python Developed a Log Watch Tool with Custom Filtering which is written with Python, served with Django and tested with Python's unittest framework; practiced OOP, Operating System and Networking concepts within socket programming and in this context, created a simple command line chat application using its SocketServer framework; developed several web applications with its Django Framework

Öveçler – Çankaya/ANKARA

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| Java | Studied "Java The Complete Reference by Oracle" book and implemented data structures such as B+Tree |
| Web Development | Developed several web applications with Django on Backend and with jQuery, HTML and CSS on Frontend |
| Linux System Management | Experienced technologies based on LAMP Servers with their installation and configurations, practiced various automation examples with Bash Scripts which consist of version control tools such as Git and automation servers such as Jenkins, for installations and configurations of web applications that is to be installed on Web Servers, experienced applications that provides virtual software development environments such as Vagrant and Docker and integrated them to the automation practises with Bash |
| SQL | Practiced on development of several web applications with several DBMSs such as MySQL or Sqlite3 |

Projects & Studies

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| LogWatcher | A Log Watch Tool with Custom Filtering created using syslog-rfc5424-parser and web-sockets libraries of Python, served with Django on backend, JavaScript/HTML/CSS on frontend and in addition tested with Python's unittest framework. Its fundamental features are: Basic create, read and delete functions with both LogWatch objects and rules, also displaying filtered logs in real-time from associated LogWatch objects. For further information; project is present on my GitHub profile. |
| TodoApp | A multi-user task management application for tracking personal to-do's within specific to-do lists created using Django on backend and jQuery/HTML/CSS on frontend. Its fundamental features are: Basic create, read, update and delete operations with both to-do lists and to-do items, simplified and organized to-do management within special to-do lists, marking as done/undone feature for to-do items and drag and drop task prioritization for both to-do lists and to-do items. For further information; application is present on my GitHub profile. |
| WeatherApp | A multi-user weather application for tracking weather information of specified locations created using OpenWeatherMap API and Django on backend, jQuery/HTML/CSS on frontend. Its fundamental features are: Basic create, read, update and delete operations with locations, drag and drop locations for prioritization purposes, auto refresh for weather informations of locations. For further information; application is present on my GitHub profile. |
| Networking | Implemented a multihomed and pipelined Reliable Data Transfer Protocol (RDT) over an unreliable channel on a network topology which consists of a source, a broker, two routers and a destination with Python. Furthermore, created a simple Command Line Interface Python Chat Application with Python's SocketServer Framework, which creates a chatroom in which a server and several clients can send and receive messages from each other in command line. For further information; both studies are present on my Github profile. |

Vagrant Automations Created automations for installations and configurations of WebServer applications such as LimeSurvey and Matomo with Bash Scripts integrated with Vagrant. Also created a similar automation for getting developer platform ready for WordPress developers with Bash and Vagrant. For further information; studies are present on my GitHub profile.

Certificates

May 2018 METU CEC - MCNA Network
2017 Udemy - Demystifying OOPs with C++

Languages

Turkish Native
English Fluent

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