EREN TÜRKAY

Çankaya / Ankara

📞 +90 552 358 6033   ✉ turkay.eren@gmail.com   in linkedin.com/in/erenturkay   ⓞ github.com/eren

Keywords

Philosophy: Verba volant, scripta manent
Technology: Backend, Systems Engineering, AWS, Linux, Python, CI/CD Pipelines, Monitoring, Alerting
Documentation: Markdown, Sphinx, Notion, Confluence
Test: PyTest, Playwright

Experience

Ecommerc.io   **July 2021 – Present**
Sr. Technical Lead   *Remote, Turkey*

- Led technical development team on important decisions and evaluated available technologies to use depending on the project.
- Designed and implemented systems for core technologies such as cloud infrastructure, logging, monitoring, and alerting.
- Authored documentation for administration of such systems in a structured manner to be used and shared by other team members.
- Researched on new technologies to improve existing systems and eliminate eventual technical debt.

Amazon Web Services (AWS)   **April 2016 – June 2019**
System Development Engineer II   *Dublin, Ireland*

- Worked for internal DNS team which was one of the core infrastructure teams at Amazon to support every other team. I gained experience on operating 7/24/365 service with many stakeholders within the company.
- Designed and implemented a CI/CD pipeline for company-wide DNS servers. From manual, time consuming, and error prone system; I authored design documents with many revisions and gradually implemented/operated fully-automated pipeline. This project was the first example of infrastructure-as-a-code system.
- Responded to countless high-severity incidents, authored tools to automate tasks, and root caused many incident with runbooks and documentation.

SkyAtlas   **January 2015 – February 2016**
System Administrator   *Istanbul, Turkey*

- Installed, operated, and troubleshooted a complete, medium-sized OpenStack installation including neutron, nova, cinder, horizon, and glance.
- Converted Non-HA installation of network nodes (neutron) to High-Available installation using VRRP.
- Troubleshooted bare-metal servers, network and disk problems.

The National Research Institute of Electronics and Cryptology   **November 2009 – April 2012**
Software Developer (Pardus)   *Gebze, Turkey*

- Built a minimal Pardus image bundled with amateur radio applications to be used for emergency communication. The image had radio-over-IP (ROIP) capabilities, which connects analog radios over IPv4 networks, along with a capability of delivering real time tactical digital communications of information in the local area with APRS
- Worked in coordination with various vendors such as Redhat, Debian, and Gentoo to ensure that the security vulnerabilities are patched, tested and distributed on time.
- Developed distribution-specific tools to improve packaging workflows and maintained the contribution package repository.

Projects

CI/CD Pipeline for DNS Infrastructure | *Ruby, Bash, Internal Amazon tools*   **August 2017**

- When DNS fails, everything else fails. Our team was overly cautious about new deployments and version updates on the infrastructure. Prior to CI/CD pipeline, version updates and new deployments were done manually and it was time-consuming.
- I was able to design and implement a fully functional pipeline with strict requirements on failure scenarios with the approval of Sr. Engineers within the team.
- Without any Ruby knowledge, I learned and gained experience with the language to be used to build the pipeline. After the pipeline is implemented, I shared my knowledge within the team to quickly implement other pipelines.

Start-up Bootstrap | *Python, Github, Pipelines, PR Builders, Jira, Notion, and more*   **July 2021**

- Ecommerc.io is specialized in E-commerce technologies and it was splitted from previous parent company.
- Needing new and better technologies to use, I actively played a role to choose those technologies based on our unique needs. I am still proactively seeking better tooling for our work to reduce time to delivery and improve developer experience.

Education

Istanbul Bilgi University   **September 2010 − July 2015**
Bachelor of Science in Computer Science   *Istanbul*

Istanbul Bilgi University   **September 2009 − July 2014**
Bachelor of Arts in English Language Teacher Education   *Istanbul*

Volunteer Work

Hamradio   **March 2011 − Present**
Emergency Communications   *Turkish Hamradio Organization*

- Everything fails, radio works. I have written my final thesis on emergency communication using hamradio technologies. I am a member of hamradio union with callsign TA1AET.