

# EREN TÜRKAY

Çankaya / Ankara

✉ [turkay.eren@gmail.com](mailto:turkay.eren@gmail.com)  [linkedin.com/in/erenturkay](https://www.linkedin.com/in/erenturkay)  [github.com/eren](https://github.com/eren)

## Keywords

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**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

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### Ecommerce.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

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### 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.

- Ecommerce.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

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### **Istanbul Bilgi University**

*Bachelor of Science in Computer Science*

**September 2010 – July 2015**

*Istanbul*

### **Istanbul Bilgi University**

*Bachelor of Arts in English Language Teacher Education*

**September 2009 – July 2014**

*Istanbul*

## Volunteer Work

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### **Hamradio**

*Emergency Communications*

**March 2011 – Present**

*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.