

Can Burak Çilingir

*Linux system administrator, DevOps and software developer
with more than 10 years of experience and track record of
building infrastructure and software for startups*

Skills, Tools

Keywords Ansible, Apache, AWS, Bash, Bind, ceph, Debian, Django, Docker, Elastic-search, Fabric, fluentd, Git, gunicorn, Hadoop, HTML 5, JavaScript, Jenkins, jQuery, LDAP, Linux, Nagios, Networking, Nginx, OOP, Open Source, Open vSwitch, OpenVZ, Postfix, PostgreSQL, Puppet, Python, RabbitMQ, redis, REST, SaltStack, Scaling, SSH, Subversion Ubuntu, uWSGI, Virtualization, VXLAN, Xen, Zabbix,

Education

2001 – 2005 **Bachelor of Science**, *Istanbul Bilgi University*, Department of Computer Science.
Graduated with honors.

Akinon

February 2017 – **Untitled**, *Akinon*, Istanbul.

- Present
- Setup, operations and maintenance of the Infrastructure
 - Ensuring that developers can deploy their codes (Read: CI, CD)

January 2008 – **System Administrator & Developer**, *Markafoni*, Istanbul.

- June 2009
- Part of the founding team that developed the software and infrastructure for Markafoni.

Projects

February 2017 – **Omni Platform**, Istanbul.

Present Omni Platform is a platform which is feeding products fetched from our customers' ERP to multiple channels such as Amazon, eBay and Omnishop. Omnishop is the end-user facing webshop of the same platform which is provided to customers who also wish to sell products on their own terms.

I am responsible for the infrastructure which is running multiple copies of this platform for customers of varying sizes. Hosted on AWS. Automated deployment, auto-scaling, integrated with SaltStack.

January 2008 – **Markafoni, Private Shopping Club, Istanbul.**

June 2009 Part of the founding team that developed the software and infrastructure for Markafoni, Turkey's leading private shopping club featuring more than 3.5 million members. Markafoni was valued at \$200 million by Naspers.

Same infrastructure was also used to bootstrap in Australia.

All deployment/automation/backup handled by me while I also took significant role in the development.

The site was developed with Django, served by Apache, load-balanced by Nginx, running postgresql. The infrastructure was monitored by Nagios. Servers were hosted in our own rack-space, as a result managed a network with multiple VLANs and staff access to backoffice was over VPN.

E-mail deliveries were handled with a wrapper over Postfix, an in-house, tiny version of PowerMTA. Also spent time with email service providers such as Hotmail and Yahoo, convincing that we were sending legitimate emails.

Metglobal

May 2016 – **Technical Manager, Metglobal, Istanbul.**

February 2017

- Managing the team who is responsible of the backend which is processing the search to booking flow of around 20 people

- Complex application consists of multiple tiers

- Django (Python)

September 2015 – **DevOps Team Lead, Metglobal, Istanbul.**

May 2016

- Part of the Tech. Ops. Division, heading the DevOps Team.

- Responsible from all data/communication flow from the development teams to production and operations team.

- Release and change management

Projects

May 2016 – **Coral, Istanbul.**

February 2017 Coral Team, consisting of more than 20 members, is responsible of the backend which is processing the search to booking flow. The software is highly available and processing most of the revenue of the Metglobal Group.

September 2015 – **Hosting Metglobal Services, Istanbul.**

May 2016 Metglobal houses a variety of brands in their portfolio established in online travel and travel related technologies. Our brands' serve b2b, b2c and c2c. Most notable brands include otel.com, hotelspro.com and gezi.com. Metglobal's network of partners spanned across all continents with more than 20,000 partner agencies, 83 local franchise agencies, more than 5000 xml connections. The group reached over a million bookings and 4 million room night sales in 2014.

I was working in Tech. Ops. division, responsible in parts for the deployment and operation of the software. We are managing the server infrastructure of metglobal, hosted on AWS, high throughput web services, fluentd, redis, nginx, gunicorn, django, python etc.

Sky Atlas

October 2013 – **System Operations Manager, Istanbul.**

September 2015

- Developing and operating cloud based services, covering the whole stack SaaS, PaaS and IaaS.

- Responsible from the infrastructure team and operations

Projects

October 2013 – **Sky Cloud**, *IaaS*, Istanbul.

September 2015 Sky Cloud is a project of Sky Atlas which is a VC-backed startup. Found in 2013, has a goal to provide IaaS solutions which support automated vertical scaling of computing resources according to the load of the hosted applications.

I joined the project early on, thus had experience with a multitude of hardware/network virtualization, container, storage technologies. After the development phase, I became responsible for the operations, which consist of running the hardware, network and our custom orchestration software on this infrastructure.

Telosoft

November 2012 – **Co-Founder**, Singapore.

August 2013

- Serving to newly-found startups and established financial institutions. I was handling development and system administration tasks and consultation as needed.

Projects

2012 – 2013 **ISVS**, *Online Skill Verification*, Singapore.

ISVS intends to become the leading source of undergraduate and graduate applicant intelligence worldwide by providing 1-1 video interviews. Not released, still under development.

I've developed a web based live 1-1 video interview system capable of recording and playing back interviews with the related ecosystem of supporting infrastructure services. Coded in Django, video interview backend was red5.

2012 – 2013 **RingSocial**, Singapore.

We've developed an iOS application with supporting backends which merges your accounts in multiple social sites and extends your local address book with this data. I developed the iOS app and the supporting backends with Django, including hosting the infrastructure.

Ideal Wealth Management

August 2009 – **System Administrator & Developer**, Singapore.

June 2012

- Developed a portfolio management system, CRM solution and e-fiduciary software to support a team of asset managers.
- Built an algorithmic trading platform, focused on processing big data with Hadoop on Amazon Elastic MapReduce.
- Coded, deployed and maintained e-commerce platforms that power private shopping and group buying sites such as Brandsfever and VoucherWOW across APAC among with all related infrastructure, such as e-mail delivery, user account management, accounting, HR and payment gateways all running on a small farm of servers hosted at Amazon Web Services.
- Also installed and configured IP Telephony services using open source tools to solve immediate office needs.

Ideal Wealth Management

2009 – 2012 **Brandsfever**, *Private Shopping Club*, Singapore.

Brandsfever is a private shopping club, an e-commerce website started in Singapore, later served to most of Asia, including Phillipines, Indonesia, Malaysia, Thailand and also in Europe.

I was part of the founding team and took significant part in developing an e-commerce framework. All hosting/monitoring and related system administration was done by me. Coded in Django; infrastructure served on Amazon EC2 using tools like gunicorn, Nginx, supervisord, PostgreSQL, Puppet and Nagios.

2009 – 2012 **VoucherWOW**, *Group Buying*, Singapore.

VoucherWOW is a group buying website started in Singapore, later served to other regions with different branding. Shared most of Brandsfever's infrastructure.

Bilgi

June 2005 – June 2009 **Teaching Assistant**, *Bilgi University, Department of Computer Science*, Istanbul.

- System Administration
 - Managed 200+ computers and built the network infrastructure for the department
 - Developed internal communication and collaboration tools using J2EE
- Training / Lecturing
 - Assisted in teaching core computer science curriculum
 - Delivered official Suse and IBM certification trainings and some GNU/Linux classes for Open Source Enterprise Centre.
 - Delivered public seminars/trainings for IBM Center of Advanced Studies
- Other
 - Part of the High School Computer Clubs Project funded by IBM. Visited various cities in Turkey to promote Computer Science education to high school students.
 - Compiled proceedings of "tOSSad Workshop on Governmental, Educational, Usability, and Legal Issues Towards Open Source Software Adoption in an enlarged Europe", an EU funded project. ISBN 975-403-373-0

June 2005 – January 2008 **System Administrator & Developer**, *Akinon*, Istanbul.

- Built software and hardware solutions for clients
- Web based radio for CNN Turk
- IPTV / video on demand system
- Managed servers and infrastructure for hosting services and clients

As an Undergraduate Student

2004 – 2005 **Part-time System Administrator & Developer**, *Parkyeri*, Istanbul.

- Managed 150+ Debian GNU/Linux servers
- Developed web applications
- Built a backup system using open source software
- Coded an LDAP based system administration tool to help administer user accounts and access restrictions on the infrastructure

2001 – 2004 **Working Student**, *Bilgi University*, Istanbul.

- Helped fellow students and organized workshops, talks
- Managed / maintained computer labs
- Took part in organizations, seminars and talks at the Computer Science Department
- As part of those organizations, spent time with Richard Stallman, Miguel de Icaza, Ian Murdock