

Can Burak Çilingir

TechOps / Site Reliability Engineer

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in canburakcilingir

I am an experienced Linux system administrator and developer who worked for startups, built products from scratch, managed the infrastructure. Experienced with the DevOps methodology.

Experience

- 2018-04 – Present **Site Reliability Engineer**, *LinkedIn Corporation*, New York.
Member of the NYC SRE Team, responsible for the availability and uptime of all features and platforms built in New York. Daily responsibilities include things like owning production incidents, managing capacity, identifying bottlenecks in the services and building tooling to help debug and diagnose production issues. For more information on services run by NYC SRE, see the post in the official LinkedIn Engineering Blog [↗](#).
- 2017.02 – 2018-04 **TechOps Responsible**, *Akinon*, İstanbul, New York.
Responsible for the technology operations of the company.
Set-up and support the infrastructure required to run a multi-tier application in an auditable format with Terraform. Hosts are maintained via SaltStack and monitored on a large scale, starting from the performance perceived by end users to the number of tasks in the queues or unintended I/O changes via Zabbix.
We deploy the code via fabric, triggered by Jenkins.
Thanks to my peers, we act ASAP when there is an unexpected increase in response time. We have succeeded 100% uptime, better than five nines.
Keywords: AWS, boto, terraform, django, EC2, elastic beanstalk, elasticsearch, fabric, firewall, laaC, jenkins, nginx, open vpn, postgresql, python, RDS, saltstack, SQS, supervisor, uwsgi, VPN, zabbix
- 2016.05 – 2017.02 **Technical Manager**, *Metglobal*, İstanbul.
Led the team responsible for developing the primary search and booking engine. This position required hands-off managerial duties such as reporting meetings with the upper management, liaising the resources for the team and similar responsibilities.
Additionally, worked on keeping the application up and running, mainly extension of the previous role. I was also responsible for the systems part of a double-tiering project with no downtime.
- 2015.09 – 2016.05 **DevOps Team Lead**, *Metglobal*, İstanbul.
Responsible for the uptime and deployment of all company projects.
Hosted on AWS with more than 300 hosts including redis, elastic search clusters, all set-up by my team or peers. Developed a highly available logging system setup capable of handling logs of an 80k/min complex REST application, delivering to cloudwatch logs, s3. Pointing out the runtime performance problems of the applications by monitoring all critical parts.
Keywords: ansible, apache, AWS, boto, debian, django, docker, EC2, elasticsearch, fabric, firewall, fluentd, gunicorn, jenkins, nagios, nginx, postgresql, puppet, python, RDS, supervisor, uwsgi, VPN

- 2013.10 – 2015.09 **System Operations Manager**, *Sky Atlas*, Istanbul.
Developed and operated cloud-based services, covering the whole stack SaaS, PaaS, and IaaS.
Started first with in-house orchestration with LXC, followed by OpenVZ and Xen. The final decision was OpenStack.
Keywords: apache, AWS, ceph, cinder, debian, django, EC2, firewall, gunicorn, heat, jenkins, LXC, nagios, neutron, nova, open vswitch, openstack, openvz, puppet, python, sahara, supervisor, swift, VPN, VXLAN, xen, zabbix
- 2012.06 – 2013.08 **Co-Founder**, *Telosoft*, Singapore.
A boutique software house serving to newly-found startups and financial institutions. Handled development and system administration tasks and consultation as needed. Most of the projects were Django and iOS.
Keywords: apache, AWS, bind, css, debian, django, EC2, EMR, fabric, firewall, gunicorn, hadoop, HTML, ios development, javascript, jenkins, nagios, postgresql, puppet, python, rabbitmq, red5, supervisor, VPN, zabbix
- 2009.08 – 2012.06 **System Administrator and Developer**, *42 Ventures*, Singapore.
Developed a portfolio management system, CRM solution and e-fiduciary software to support a team of asset managers. I was responsible for the deployment of our algorithmic trading platform's back-end to Hadoop on Amazon Elastic MapReduce. Coded, installed and maintained e-commerce platforms that power private-shopping and group-buying sites across APAC among with all related infrastructure such as e-mail delivery, accounting, HR and payment gateways all running on a small farm of servers at AWS. Installed and configured IP Telephony services using open source tools to solve immediate office needs.
Keywords: apache, AWS, bind, css, debian, django, EC2, EMR, firewall, hadoop, HTML, javascript, jenkins, nagios, postgresql, puppet, python, rabbitmq, supervisor, VPN, zabbix
- 2005.06 – 2009.06 **Teaching Assistant**, *Bilgi University, Department of CS*, Istanbul.
Assisted in teaching core computer science curriculum. Delivered Suse and IBM certification trainings. Managed 200+ lab computers and servers for the department. As a side job, developed and ran the code of Turkey's once largest private shopping site, Markafoni with Django on physical hardware including switch and firewall configurations and e-mail delivery.
Keywords: apache, bind, css, debian, django, firewall, HTML, ios development, javascript, jenkins, ldap, nagios, postfix, postgresql, puppet, python, rabbitmq, VLAN, VPN, zabbix

Education

- 2001–2005 **Bachelor of Science**, *Istanbul Bilgi University*, Department of Computer Science, Istanbul.

Keywords

ansible, apache, AWS, bind, boto, ceph, cinder, cloudformation, continuous deployment, continuous integration, css, debian, django, docker, EC2, elastic beanstalk, elasticsearch, EMR, fabric, firewall, fluentd, git, gunicorn, hadoop, heat, HTML, IaaS, ios development, javascript, jenkins, ldap, linux, LXC, nagios, networking, neutron, nginx, nova, OOP, open vpn, open vswitch, openstack, openvz, pipeline, postfix, postgresql, puppet, python, rabbitmq, RDS, red5, redis, rest, sahara, saltstack, scaling, serverless, SQS, SSH, supervisor, swift, terraform, ubuntu, uwsgi, virtualization, VLAN, VPN, VXLAN, xen, zabbix