

Katherine Pata

CLOUD · SYSTEMS · DEVOPS ENGINEER

Amsterdam, The Netherlands

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3+ years experience working in Linux Systems, Cloud Engineering, Infrastructure Automation, and Software Engineering. DevOps, Continuous Integration and Deployment, and Infrastructure as Code evangelist. Nerd who loves Vim, Linux, and enjoys figuring out clever and sturdy solutions to challenging problems. Interested in working in projects with an enthusiastic team culture, utilizing technical expertise and a quality-first approach. Open for consulting, freelance, or employment opportunities.

Experience

Aigent

Amsterdam, the Netherlands

DEVOPS ENGINEER

December 2018 - PRESENT

- Engineered an infrastructure as code solution to enable administration of 30+ baremetal servers
- Developed an automated immutable infrastructure solution (in the form of continuously integrated virtual machine images)
- Enforced PCI Compliance throughout the infrastructure, ensuring safety of all personally sensitive data
- Automated deployment of, and managed multiple high-availability kubernetes clusters consisting of 3 masters and many nodes
- Utilized Gitlab CI and Container Registry to continuously deploy services to development and production clusters (production after manual qa)
- Converted legacy systems to Kubernetes deployments and infrastructure as code, reducing recovery time from weeks to a few hours
- Implemented monitoring, alerting, and high availability for critical components to ensure Customer SLA's are kept

Podictive

Amsterdam, the Netherlands

SOFTWARE ENGINEER

June 2018 - Nov 2018

- Designed and implemented a web application which provides vulnerability management solutions
- Integrated expertise from colleagues for security toolings such as NMap, Nessus, OpenVAS... etc
- Implemented container based microservices using Flask (Python) and Docker + Docker-Compose
- Utilized basic tooling such as SSH, Bash, ps, forking, file locking in order to implement reliable Linux-native solutions
- Streamlined development workflow by integrating the Github workflow, increasing visibility and stability of code
- Improved innovation rate by employing solid unit testing and continuous integration practices

LADEG non-profit

Istanbul, Turkey

WEB DEVELOPER AND SYSTEM ADMIN

Jan. 2017 - July 2017

- Implemented a content management system and full featured website with a landing page, blog, and multimedia
- Worked with non-tech people to find solutions to problems they have been facing, and figuring out what kind of website organization will be most beneficial for them

Storch

Istanbul, Turkey

PROJECT LEADER

Sep. 2016 - March 2017

- Led a team consisting of seven members, split across Android, Angular, Django, and PostgreSQL respectively
- Designed and developed a Google Maps based Android app, following material design guidelines
- Implemented a RESTful Web Service using the Model-View-Controller Pattern

Sistematik

Istanbul, Turkey

SOFTWARE DEVELOPER INTERN

July 2016 - Aug. 2016

- Worked with a team of 6 developers on web based solutions for enterprise and educational projects
- Improved upon existing ecosystem of data processing tooling, eliminating many manual steps

Skills

DevOps	Infrastructure as Code (IaC), Immutable Infrastructure, Continuous Integration & Delivery (CI/CD), Integration & Unit Testing
SRE	Monitoring, Service-level agreements, Shared ownership/responsibility, Blameless post mortems, SLI->SLO->SLA
Tooling	Ansible, Packer, Gitlab-CI, Gitlab Container Registry, Kubectl, Kubeadm, Nginx, HAProxy, OpenLDAP, PostgreSQL
Cloud	Kubernetes, Docker/Containerd/crictl/Podman, Microservices, NOSQL, Message Queues (MQTT)
Languages	Python (Pure, Flask, Django), Javascript (Pure, jQuery, React.js, Node.js), Go, C, C++, Rust, Ruby, Java, LaTeX
Linux	Bash/Zsh/Shell Scripting, Systemd, Makefile, Vim, Debian/Ubuntu/RedHat(RHEL)/CentOS/SUSE/Arch...
Networking	IPTables, FirewallD, OpenVPN, Wireguard, OpenWRT
Virtualization	QEMU/KVM/libvirt, VFIO, Vagrant

Education

Vrije Universiteit Amsterdam

Amsterdam, the Netherlands

BACHELORS IN COMPUTER SCIENCE

Sep. 2017 - PRESENT