

MICHAEL PLET

FREELANCE DATA PLATFORM & LINUX ENGINEER

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PROFILE

Michael is eager to learn and has proven ability to work effectively in a team environment and possess excellent soft skills such as strong communication, leadership and problem-solving abilities.

Michael is not only good at finding solutions to a problem but also good at coaching and motivating team members to achieve similar levels of performance.



WORK EXPERIENCE

LINUX PLATFORM ENGINEER

Ministerie VWS – Den Haag 2025 – 2026

Responsible for Linux platform management, automated deployments with Ansible, and supporting development teams. The platform hosts multiple web applications and digital services for the Dutch healthcare sector.

LINUX DEVOPS ENGINEER

ProRail – Utrecht 2023 – 2025

Took ownership in a mission-critical environment, successfully delivering Satellite 6.16 and F5 BIG-IP implementations without prior experience. Reduced recurring incidents through trend analysis and dashboards (Splunk, OBM). Mentored colleagues to improve operational stability and documentation, driving structural improvements across the platform.

LEAD DATA PLATFORM ENGINEER

Rabobank – Utrecht 2022 – 2023

Leading 6 platform engineers and 2 data engineers. Stimulate the team to strive for rock-solid technical implementations.

EXPERTISE

Ansible, Ansible Tower, RHEL, Red Hat Satellite, F5 BIG-IP

HDFS, BASH, Kerberos, GIT

Python (Basic), Airflow, Docker

Azure DevOps, Cloudera Hadoop, OBM, Zabbix, Nagios, Dynatrace (trained)

EDUCATION & TRAINING

MBO4

ROC IT Academy – Amsterdam
2004 – 2007

Post-secondary vocational education
in System Engineering

Courses and certifications

Most recent and valued (extensive list available)

Python fundamentals

Docker fundamentals

RHCSA 7

RHCE 7 (Course only)

DATA PLATFORM ENGINEER

Rabobank – Utrecht **2019 – 2022**

Responsible for maintaining of the Advanced Analytics platform with 180+ users where advanced models and algorithms are developed for various Data Science projects; KYC (Know-your-Customer), Transaction Monitoring, CDD (Customer Due Diligence) etc.

LINUX ENGINEER/SYSTEM ADMIN

Rabobank – Zeist **2008 – 2019**

Worked as a specialist in Oracle Linux and RHEL environments within the Platform Services Linux department. Responsible for managing and automating more than 3000 Linux servers, built on OLVM/OVS (KVM) using Oracle Linux Manager. Also implemented and maintained AIX servers and supported the deployment of the early RHEL5 environment. Introduced automation with CFEngine and later transitioned to Ansible to improve scalability and maintainability of the infrastructure.

- Administration of a multi-tenant Linux platform (~400 Debian servers) across test, acceptance and production environments in multiple data centres.
- Hosting and administration of government websites, web applications and APIs for the Dutch Ministry of Health, Welfare and Sport (VWS).
- Building scalable and reproducible platform environments with Ansible (Infrastructure as Code), including standardised deployments and lifecycle management.
- Developing and maintaining Ansible playbooks and roles for configuration management and automated deployments.
- Managing the lifecycle and releases of web applications and platform components through controlled deployments across test, acceptance and production environments.
- Designed and implemented a secure DefectDojo platform, including:
 - Nginx reverse proxy for TLS termination and routing.
 - PostgreSQL.
 - KeyDB/Redis with client certificate authentication.
 - Docker and Docker Compose.
- Configuring and managing reverse proxies (Nginx/HAProxy) to provide secure and controlled access to platform services.
- Managing and renewing TLS certificates for public and internal services using PKI chains and certificate providers including DigiCert, ACME/Let's Encrypt and Buypass, including certificate expiry monitoring and CRL validation.
- Performing platform upgrades, including Elastic Stack and Nextcloud.
- Managing and optimising platform services supporting multiple applications.
- Configuring and maintaining monitoring and logging with Icinga and Elastic for observability and incident detection.
- Working with development teams using Git/GitHub for configuration management, deployment workflows and release processes.
- Supporting incident analysis, troubleshooting and deployments.
- Working in line with security and compliance requirements such as BIO and NEN 7510, including network segmentation, encryption and access control.
- Creating and maintaining technical documentation for platform architecture and operational procedures.
- Contributing to lifecycle management (LCM) of applications and infrastructure components.

Keywords:

Linux (Debian, Ubuntu LTS) – Ansible – Infrastructure as Code (IaC) – Git – GitHub – Docker – Docker Compose – Nginx – HAProxy – Nextcloud – Collabora – Zammad – Kimai – Forgejo – DefectDojo – PostgreSQL – Patroni – MariaDB – KeyDB – Redis – Icinga – Elastic Stack – Elasticsearch – Kibana – TLS – mTLS – PKI – DigiCert – ACME – Let's Encrypt – Buypass – OpenSSL – Basic Authentication – KeyDB ACLs – VPN – OpenVPN – WireGuard – EasyCert – dehydrated (ACME client) – passwordstore (pass) – Bash – nftables – Firewalling

- Deployed and managed mission-critical Generic Post Workstations (GPW) for traffic control.
- Implemented a two-step Satellite upgrade path: first migrated from Satellite 6.10 to 6.15 on a new RHEL 8.10 server, followed by an in-place upgrade to Satellite 6.16. This included Capsule server rollout, SCA enablement, activation key restructuring, CV/CCV migration, and Satellite access & role configuration.
- Installed and configured F5 BIG-IP as load balancer for Satellite host registration via Capsules, including setup of VLANs, routes, VIPs, SNMP traps, monitoring, pool members, and use of the F5 CLI for advanced configuration. (Not a dedicated F5 engineer role.)
- Reduced incidents through trend and root cause analysis using Splunk and OBM dashboards.
- Designed and delivered proactive monitoring requirements in Dynatrace.
- Participated in MCC (Monitoring Control Center) to structurally resolve recurring alerts.
- Automated OS deployments and configurations using Ansible, AAP, Ansible Tower, improving and reusing existing playbook building blocks. Integrated with CI/CD pipelines to trigger automated deployments via Buildkite upon pull requests in Bitbucket.
- Supported clustering (pcs, stonith) and documented incident response on RHEL7.
- Automated OS deployments and improved CI/CD pipelines using Ansible, AAP, Bitbucket and Buildkite.
- Used VMware to build and distribute OS templates, create VM clones, add disks, manage snapshots, and adjust compute resources (CPU and memory) as part of provisioning and deployment workflows.
- Developed and maintained an Ansible playbook to automate Oracle Agent installation.
- Assisted DBAs with the migration of Oracle Enterprise Manager (OEM) and RMAN components from RHEL 7 to RHEL 8 by preparing the environment and verifying OS-level dependencies.
- Maintained and supported 3000+ Linux servers in an enterprise environment

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- Write Documentation.
- Create onboarding standards with basics, standards and principles as quick reference for new joiners.
- Strive for rock-solid technical implementations.
- Invest in robustness, scalability and rock-solid foundation
- Stimulate automation.
- Assure "In Control" compliance or deliberate Risk Acceptance.
- Steering on reducing and minimizing Technical Debt.
- Help during major incidents with experience & knowledge.
- Investigate root causes to ensure:
 - Better and more stable solutions/product in the future.
 - Structural fixes become problems on backlogs.
- Go-to-person for technical solution validation.
- Help with refinements of more complex milestones & epics
- Create user stories using Azure DevOps boards
- At abstract level estimate effort and complexity of (potential) roadmap deliverables to help the Product Owner.
- Help out by in depth questions.
- I have worked closely with the Solution Architect on technical designs of end-state visions at applications.
- Mentoring of more junior team members.
- Providing technical guidance.
- Guide new joiners through the quick references.
- Strive to increase autonomy by involving others.

Keywords:

Cloudera Hadoop – Bash scripting – Hive – Ranger – Docker
MySQL – HDFS – Python (basic) – Scrum – Dataiku – Zabbix
Grafana– Postgres – Nginx – Kerberos – LDAP – VMware –
GIT – SVN – Airflow – Ansible – Ansible Tower –
AzureDevOps – Bitbucket – Networking – Firewall – DNS –
Confluence – SharePoint – ITIL– Nginx – Load balancer –
openssl – Yarn – Spark – Selinux – RHEL

- Configure, and support Hadoop clusters, running on Cloudera's Distribution for Hadoop (CDH5 and CDP7), totalling of 53 linux servers, with a collective HDFS capacity of 2PB in storage and 12TB of memory.
- Cluster maintenance as well as creation and removal of nodes using tools like Cloudera Manager.
- Identify and resolve all Hadoop issues pertaining to HDFS, M/R, Yarn, HBase, Impala, Hive, Spark, Zookeeper etc.
- Screen Hadoop cluster job performances and capacity planning.
- Administering Hadoop clusters (Cloudera CDH5 and CDP7) including activities like deploy Hadoop cluster, add and remove linux servers, keep track of jobs, monitor critical parts of the cluster, configure name-node.
- Hadoop updates, patches, version upgrades when required.
- HDFS support and maintenance, disk space management.
- Vulnerability management
- Create playbooks (IAAC) to prepare and install services/software's using Ansible and bash scripts.
- Support multiple projects to setup and configure docker containers.
- Deploy, configure and manage the Dataiku Machine Learning platform and provide ML platform support.
- Setting up Celery and RabbitMQ for airflow.
- Performed key administration and platform operation tasks not limited to:
 - Implement software and host security configuration.
 - Perform platform/software upgrades and security patches.
 - Configure High-Availability, Replication and Scalability.
 - Authentication/Authorization using TLS/SSL configuration, MIT Kerberos, Atlas, Ranger and Sentry.
- Application performance tuning using analysis from monitoring tools like Zabbix, Grafana, Cloudera Manager chart libraries.
- Built and install custom RPM packages.
- Troubleshoot Python, PySpark , Hive, and SQL recipes in Dataiku.
- Offload data from S3 bucket to HDFS.
- Sprint planning using AzureDevops.
- Maintain 300+ RHEL servers

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Cloudera Hadoop - Bash scripting - Hive - Ranger - Docker
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Grafana- Postgres - Nginx - Kerberos - LDAP - VMware -GIT
SVN - Airflow - Ansible - Ansible Tower - AzureDevOps
Bitbucket - Networking - Firewall - DNS - Confluence -
SharePoint - ITIL- Nginx - Load balancer - openssl - Yarn
Spark - Selinux - RHEL

- Deploy, install, configure and manage RHEL and Oracle Linux servers. Both physical and virtual (VM) servers. Oracle Linux servers are built with OVMM/OVS (KVM).
- Patching RHEL and Oracle Linux servers.
- Migrating Baseline Puppet modules for Oracle Linux servers to Ansible.
- Automate software installations by means of Ansible.
- Coordinating and managing RHEL and Oracle Linux servers and auditing for security.
- Phasing out RHEL and Oracle Linux servers.
- Analyzing and solving incidents for 2nd and 3rd line support.
- Implementing changes and solving problems.
- User management (LDAP) incl. creating sudo roles.
- Authorizing RHEL and Oracle Linux servers with LDAP/OID.
- Managing Nagios Core server, building Nagios checks (Bash scripting) for proactive monitoring of AIX and RHEL servers.
- Working according to Scrum, Agile, Lean, JIRA, and KPI methodologies.
- Writing and updating documentation.
- Initiate and define improvement proposals.
- 24/7 on-call services.
- maintain 3000+ linux servers.

Keywords:

Nagios Core – Ansible – Ansible Tower – Red Hat Satellite5/6
Spacewalk – VMware – Oracle VM Manager (OVMM) –
Oracle VM Server (OVS) – GIT – Subversion – RHEL5/6/7 –
OEL5/6/7 – Bash – LDAP – TSM Client – Networking – Firewall
DNS – puppet – Confluence – SharePoint – ITIL – Nginx –
Load balancer – IBM Tivoli – Selinux – RHEL

- Deploy, install, configure and manage AIX, RHEL and Oracle Linux servers. Both physical and virtual (VM) servers.
- Patching RHEL and Oracle Linux servers.
- Migrating Baseline Puppet modules for Oracle Linux servers to Ansible.
- Migrating RHEL5 and RHEL6 to RHEL7
- Automate software installations by means of Ansible.
- Building and maintaining CFEngine modules for automating operational processes.
- Coordinating and managing AIX, RHEL and auditing for security.
- Phasing out AIX and RHEL servers.
- Analyzing and solving incidents for 2nd and 3rd line support.
- Implementing changes and solving problems.
- User management (LDAP) incl. creating sudo roles.
- Authorizing RHEL servers with LDAP
- Managing Nagios Core server, building Nagios checks (Bash scripting) for proactive monitoring of AIX and RHEL servers.
- Working according to Scrum, Agile, Lean, JIRA, and KPI methodologies.
- Writing and updating documentation.
- Initiate and define improvement proposals.
- Maintain and create ConnectDirect connections for transferring data.
- 24/7 on-call services.
- Maintain 3000+ Linux and 400+ AIX servers.

Keywords:

Nagios Core – Ansible – Ansible Tower – Red Hat Satellite5/6
VMware – GIT – Subversion – RHEL5/6/7 – Bash – LDAP –
TSM Client – Networking – Firewall – DNS – puppet
Confluence – SharePoint – ITIL – Nginx – AIX5.3 – HMC –
LPAR – NIM server – CFengine – Load balancer – IBM
Tivoli – Selinux – RHEL