Gene Dupré



Infrastructure / Systems Engineer | Linux, Bare Metal & Automation

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PROFILE

Infrastructure-focused DevOps/SRE with 6+ years of experience across Linux, bare-metal systems, automation and production operations. Hands-on with Dell PowerEdge servers, PXE provisioning, data centre hardware work, VLAN-segmented networks and Fortinet FortiGate environments. Strong automation background with Ansible and Puppet, combined with day-to-day Linux administration, CVE remediation and on-call operations. In 2026, deployed and commissioned 25 new physical servers for multiple production services. Holds an Associate Degree in Network Infrastructure, a Bachelor of Applied Science (BA) in Infrastructure Engineering, and a Master of Science (MSc) in Privacy, Information and Cyber Security.

CORE SKILLS

Linux & bare metal	RHEL, Debian, Ubuntu Server; Dell PowerEdge
Systems & provisioning	PXE provisioning; LVM; RAID; boot and hardware troubleshooting
Data centre operations	Hands-on production data centre operations (server commissioning/decommissioning, DIMM/HDD replacement, RAM upgrades, cabling, physical troubleshooting, etc.)
Networking	L2/L3 fundamentals, VLANs, IP routing, Fortinet/FortiGate, ingress and inter-environment access controls
Automation & delivery	Ansible, Puppet, GitLab, Jenkins, Bash; working knowledge of Python
Storage	ext4, NFS, ZFS, iSCSI, NVMe
Hypervisors & virtualisation	Proxmox, KVM, QEMU, VMware; LXC and Docker
Security & operations	CVE assessment/remediation, HashiCorp Vault, PKI/certificate lifecycle, FreeIPA, on-call incident response

PROFESSIONAL EXPERIENCE

Optimizely | **Site Reliability Engineer**

08/2021 - Present | Berlin, Germany

- Deployed and commissioned 25 new Dell PowerEdge servers in 2026 for multiple production services, including creating their PXE mappings and integrating the nodes into the existing environment.
- Perform hands-on operations in production data centre environments (including server commissioning/decommissioning, DIMM/HDD replacement, RAM upgrades, cabling and physical troubleshooting).
- Operate and maintain Linux-based production infrastructure using Puppet for configuration management, Jenkins for CI/CD and Proxmox for virtualisation.
- Work with VLAN-segmented environments and Fortinet FortiGate firewalls for routing, ingress and inter-environment access controls, backed by solid L2/L3 networking fundamentals.
- Review CVEs and apply required updates to live production systems as part of daily operations; participate in a full week of on-call duty every five weeks.
- Maintain a broad portfolio of production services and supporting infrastructure, spanning Linux systems, virtualisation, CI/CD, monitoring and logging, data platforms and databases.

Inuits | **DevOps Engineer**

06/2019 - 10/2020 | Ghent, Belgium

- Implemented and maintained embedded infrastructure for a major customer, with a focus on reliable and secure operations.
- Automated configuration and deployments using Ansible and Puppet in Linux environments.
- Used Mender for secure remote software updates on devices and the Elastic Stack for logging and analysis.
- Worked in an open-source environment with Grafana, ELK, Ansible, Puppet and GitLab, building broad, tool-agnostic infrastructure experience.

HOMELAB & TECHNICAL PROJECTS

Multi-host Proxmox homelab used for both personal services and continuous infrastructure experimentation. All configuration and changes are managed through Ansible, with Linux as the primary operating environment.

- Implemented in 2026: automated certificate lifecycle with Ansible and HashiCorp Vault, replacing long-lived static certificate files with 31-day certificates and automatic renewal.
- Run a small Kubernetes deployment in the homelab hosting a database, API and frontend application.
- Operate services across Proxmox, LXC and Docker for both personal use and infrastructure experimentation.
- Run observability services including Grafana, Prometheus, InfluxDB and a full Elastic Stack for metrics, logging and troubleshooting.
- Currently exploring OpenClaw with the goal of automating selected tasks and using the OpenClaw app on my phone to interact with my infrastructure through an LLM interface.

ADDITIONAL EXPERIENCE

Spinae | **Intern**
02/2021 - 06/2021 | Lochristi, Belgium

- Evaluated Identity Provider solutions and deployed FreeIPA for centralised identity and policy management.
- Deployed Confluence to support internal project documentation.

The Last Mile | **Intern**
02/2019 - 06/2019 | Dendermonde, Belgium

- Developed and deployed a FreePBX server on OpenSUSE for the Dendermonde police.
- Contributed to VoIP projects and the design of secure IT infrastructure for local government.

EDUCATION

University of Skövde
Master of Science (MSc) - Privacy, Information and Cyber Security | 2022 - 2024

Hogeschool West-Vlaanderen
Bachelor of Applied Science (BA) - Infrastructure Engineer | 2018 - 2021

Hogeschool West-Vlaanderen
Associate Degree - Network Infrastructure | 2017 - 2019

LANGUAGES

Dutch - native
English - professionally fluent; IELTS overall score 7.5 (Very Good)
German - A2, actively improving; voluntarily participate in team stand-ups in German

ADDITIONAL INFORMATION

Belgian, currently working and based in Berlin. Comfortable with customer-site travel and hands-on deployments. Currently preparing for LPIC-1 and LPIC-2. Contractual notice period: three months.