

# Horia Delicoti

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## About Me

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Passionate DevOps Engineer with 7+ years of experience in automation, Linux, and system reliability. I specialise in automating processes, improving infrastructure efficiency, and implementing security policies. Certified in Terraform and System Administration, I seek to learn, grow, and stay updated with the latest DevOps tools and best practices.

## Technologies

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<b>Operating System:</b> Linux (open-source), CentOS, Ubuntu	<b>CI/CD Tools:</b> Jenkins, GitHub Actions, Git
<b>Languages:</b> Python, Bash, Ruby	<b>Monitoring:</b> Grafana, Prometheus, AppDynamics, Splunk
<b>Infrastructure as Code:</b> Ansible, Puppet, Terraform	<b>Containerization:</b> Docker, KVM, Kubernetes
<b>Networking:</b> DNS, SSL, HTTPS, Firewall, TCP/IP	<b>Cloud:</b> AWS, GCP

## Experience

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### Linux System Administrator | Info Grup [🔗](#)

Jan 2024 – Present (*Part-time*)

- Developed and launched website using HTML, CSS, and WordPress
- Created a plan for the website downtime, ensuring 99.9% uptime through performance monitoring (response time, error rates), alerts, regular maintenance schedules, failover strategies, load balancing configurations, and redundancy measures to minimize disruptions and increase reliability
- Improved the website design and reduced response time by 30%, improving user experience and performance through caching, image compression, and CDN
- Optimized page load speed by over 40%, reducing load time through caching and optimizing CSS and HTML file sizes

### DevOps Engineer | Deloitte Digital [🔗](#)

Nov 2021 - Aug 2023

- Automated performance report generation by integrating Python scripts into the Jenkins pipeline, reducing processing time by 99% while improving data accuracy and reliability
- Deployed, configured, and maintained 1 monitoring and alerting system, ensuring 24/7 system visibility. Set up 50+ custom alerts for performance metrics, reducing incident response time by 40%
- Identified and resolved 100+ technical issues by utilizing logs, performance metrics, and diagnostic tools, reducing recurring problems by 60%. These improvements increased system uptime from 99.5% to 99.9%
- Used Ansible to automate deployment, security configurations, maintenance tasks, and server administration

### Infrastructure Engineer | Bitdefender [🔗](#)

Nov 2019 - Oct 2021

- Optimized Puppet server performance by improving server configuration, resource allocation, and JVM settings, reducing response time from 3 minutes to 30 seconds while efficiently managing 2,000 production servers
- Managed server administration tasks, including user/group management, permissions, and firewall configuration
- Analyzing logs and optimizing resource consumption to ensure system efficiency and security
- Developed automation tools script to improve system deployments
- Monitoring systems health to address software or server issues on bare metal and VM machines
- Maintained system uptime of 99.9% by generating, configuring, and installing SSL certificates for 15+ designated systems, ensuring seamless installation through Puppet across all monitored environments

## QA Engineer | [Balena LTD](#)

Jul 2016 - Nov 2019

- Designed a testing framework for evaluating boot methods, onboard peripherals, and OS features of SBCs, using Docker to spawn parallel test environments. This enabled simultaneous board testing, reducing iteration times by 70%, accelerating the overall testing process, and improving product reliability
- Created and documented test cases to ensure product compliance with specifications, improving test coverage and getting accurate validation of product features

## Education ---

### Computer Science and Engineering Programme | [University Politehnica of Bucharest](#)

2009 - 2013

- Major: Automatic Control and Computer Faculty

### Information Technology and Mathematics | [Dunarea](#)

2005 - 2009

- Achievements: Physics Olympiad | [Stefan Procopiu](#) 

## Certificates ---

### LFCS: Linux Foundation Certified Systems Administrator | [The Linux Foundation](#)

Issued July 2024

### Terraform Associate (003) | [HashiCorp](#)

Issued June 2023

## Projects ---

### Home Infrastructure | [github.com/horia-delicoti/infrastructure](https://github.com/horia-delicoti/infrastructure)

- A collection of Ansible playbooks to automate and optimize home infrastructure, including server configuration, monitoring, alerting, Docker, and more. All playbooks run within Docker containers, ensuring consistent and isolated environments with a focus on efficiency and scalability

### Deploy Web Application in AWS using Terraform | [github.com/horia-delicoti/get-started\\_aws](https://github.com/horia-delicoti/get-started_aws)

- A set of Terraform scripts to provision, modify, and destroy AWS infrastructure, enabling efficient management of cloud resources