CARLOS NETO

DEVOPS ENGINEER

🔗 www.carlosneto.dev   in linkedin.com/in/c-neto/   github.com/c-neto   ⭐ credly.com/c-neto/badges   📍 Brazil - São Paulo

PERSONAL SUMMARY

Self-motivated IT professional with experience in high-availability systems for Open Banking and IoT platforms. Specializes in Python programming, AWS, log analytics pipelines, OpenSearch, and Kubernetes workload management.

Experienced in technical documentation and managing a blog that shares insights and solutions on DevOps practices.

PROFESSIONAL EXPERIENCE

DevOps Engineer
Trustly | Open Banking Platform

📅 November 2021 – Current   📍 Remote

I work on a global Account-to-Account Open Banking System, where my primary responsibilities encompass scripting, cloud component optimization, and log pipeline creation. My core tasks include:

- Developing automation scripts and CLI with Python and Bash.
- Managing a large OpenSearch cluster, including configuration, SSO, RBAC, ISM policies, template optimization.
- Creating log ingestion pipelines (Fluentbit + Logstash + OpenSearch).
- Migrating applications to Helm charts.
- Optimizing AWS resources with a focus on performance and security.
- Operating, troubleshooting, and optimizing Kubernetes clusters.
- Writing and maintaining Knowledge Base documentation.

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Software Developer
Fotosensores | Speed Camera Systems

📅 April, 2018 – October, 2021   📍 On-site

I focus on meeting in-house infrastructure needs, primarily within a regional Speed Camera System. My key responsibilities include:

- Developing Python microservices, scripts, CLI, and Web API.
- Managing and optimizing GitLab CI/CD pipelines.
- Implementing monitoring with Zabbix, Prometheus, and Grafana.
- Designing log pipelines with Rsyslog, Loki, and Grafana.
- Managing Linux servers and creating RPM (CentOs-based).
- Writing and maintaining Knowledge Base documentation.

PROJECTS

- **OpenSearch Tuning (Trustly)**: Implemented Least Privilege, Defense-in-Depth, and Observability; optimized index templates, ISM policies, and cluster configurations.
- **Log Analytics (Trustly):** Built log ingestion pipelines (Fluentbit + Logstash + OpenSearch).
- **SFTP Cluster (Trustly)**: Developed a highly available SFTP server with fault tolerance across multiple AZs (Ansible + Kubernetes).
- **Speed Camera Monitoring System (Fotosensores)**: Delivered a web-based system to monitor and observe speed camera components (Ansible + Flask + Grafana + Loki).

EDUCATION

- Systems Analysis and Development
  High-Education | FATEC (2016 – 2019)
- Computer Network
  Full-Certified | ETEC (2016 – 2017)
- Industrial Automation
  Full-Certified | ITJ (2013 – 2015)

CERTIFICATIONS AND BOOKS

- AWS Certified Solutions Architect - AWS.
- AWS Certified Cloud Practitioner - AWS.
- GitHub Actions - GitHub.
- GitLab Certified Associate - Gitlab Inc.
- Python Formation Certified - Alura.
- Kubernetes: Up and Running - Book.
- Fluent Python - Book.
- Python Cookbook - Book.
- The Hitchhiker's Guide to Python - Book.
- Shell Programming (Julio Neves) - Book.

SKILLS

- Programming

  Python | Bash | Go | Java

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- Kubernetes Tooling

  Helm | External Secrets Operator
  Kong | Cert-Manager

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- Observability

  OpenSearch | ELK Stack | Grafana
  Prometheus | Rsyslog | Zabbix | Loki

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- CI/CD and GitOps

  GitLab | Github Actions | ArgoCD
  TravisCI

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- Infrastructure as a Code

  Ansible | Terraform

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- AWS services

  EC2 | EFS | EKS | IAM | S3 | SNS
  SQS | VPC | OpenSearch Service
  Route53 | Lambda | CloudFormation