CARLOS A. PIRES

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EXECUTIVE SUMMARY

Experienced Software Engineer, Linux System Engineer, and Solution Architect with over a decade of experience building scalable platforms and distributed systems on open-source technologies. Expertise in DevOps, cloud computing (AWS, Kubernetes), and backend development, delivering high-availability, high-performance systems aligned with business goals. Strong advocate of clean code, agile methodologies, and technical leadership.

TECHNICAL SKILLS

- Programming Languages: Python, Go, C++, C
- IaC tools: Terraform, Ansible
- Cloud platforms: AWS, Kubernetes (EKS, OpenShift), Github
- System engineering: Linux, Windows, OSX, KVM, VMWare
- Tools: Git, Visual Studio Code
- Concepts: Distributed Systems, Infrastructure-as-Code, Multithreading, Test-Driven Development (TDD)

PROFESSIONAL EXPERIENCE

AWS & Platform Engineer (KBC Bank, Leuven, Belgium)
July 2021 – Present

- Designed and developed an EKS-based Kubernetes platform for business teams.
- Led research and integration of AWS services (AppMesh, Load Balancers, EKS) to expand platform features.
- Architected and implemented Terraform-based release pipelines using AWS CodePipeline and Python.
- Advocated for clean code and TDD practices across the team.
- Provided AWS and Kubernetes expertise to DevOps teams.

Linux System Engineer, Azure DevOps (Siemens Tech Hub, Lisbon, Portugal)
Jan 2021 – Jun 2021

- Built Linux-based CI/CD pipelines using Docker, Podman, Ansible, Molecule.
- Delivered infrastructure for Azure DevOps internal clients.

Back-end & DevOps Tech Lead (MOV.AI, Lisbon, Portugal)
Sept 2019 – Dec 2020

- Led the re-architecture of the backend in Python, focusing on distributed systems and data replication.
- Implemented a CI/CD system using Jenkins, Ansible, Terraform.
- Designed container orchestration components and simulated robotic fleet environments on AWS.

DevOps Technical Lead / Linux System Engineer (PrimeIT/Alpega Group, Belgium)
Sept 2018 – Sept 2019

- Led AWS lift-and-shift migration project, architected Terraform and Ansible solutions.
- Designed CI/CD pipelines for microservices hosted on OpenShift and AWS cloud.

Senior IT Manager / Site Reliability Engineer (HBD Tourism Investments, São Tomé)
Sept 2013 – Sept 2018

- Built company's IT department, designed datacenters, deployed virtualization clusters.
- Introduced first nationwide hospitality entertainment system.

(Earlier experience summarized; detailed on request.)

EDUCATION
- BSc Robotics Engineering (In Progress), International University of Applied Sciences, Germany (Expected 2027)
- BSc Computer Science (In Progress), Universidade Aberta, Portugal
- High School & Professional Degree, Electronics and Electricity, Escola Secundária de Anadia, Portugal

LANGUAGES
- Portuguese (Native)
- English (Fluent)
- Dutch (Beginner)
- French (Beginner)

OTHER
- Passionate about continuous learning (Udemy, EDX, Udacity)
- Advocate for DevOps culture, clean architecture, and distributed system design