Oscar Rolando Alvarez Cardenas

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Summary

Oscar is a seasoned Staff DevOps and Software Architect Cloud emphasis in AWS with extensive experience in designing and implementing scalable microservices, real-time applications, and robust database solutions. Specializing in DevOps practices and software architecture, Oscar has a proven track record in Python, .NET, Java, and various back-end technologies, tailored to meet client needs. His expertise extends to leading technical teams, mentoring, and driving the evolution of software architecture to enhance operational efficiency and system reliability. A committed leader, Oscar excels in adapting to new technologies and overcoming complex challenges.

Work Experience

LeanTech – Tech Lead

Oct, 2022 | Today

Client: Internal projects

> Lean Tech is an expert technology partner specializing in nearshore software development. With deep industry insights, we guide clients in building advanced software solutions using top-tier LATAM talent, bringing projects to new heights in collaboration, innovation, and quality.

In my role as a Tech Lead and Senior Software Developer, I spearheaded internal projects and oversaw crucial cloud migration and infrastructure development. My responsibilities included: design, code and implement a solution called invoice automation. I leveraged my expertise in Python, Django, and AWS to deliver scalable, high-performance solutions and drive impactful outcomes in our internal and client-facing projects.

Elenas – Staff DevOps
Mar, 2021 | Oct, 2022

Client: Internal projects

Elenas is Latin America's top social commerce platform, which has empowered tens of thousands of women across Colombia to launch online businesses and earn extra income by selling products on WhatsApp, Facebook and other social media sites

- Performed as Staff DevOps migrating services from Heroku to AWS, implementing services like as online payment system Hermes, monitoring the AWS infrastructure and implementing kubernetes templates for the new services.

Elenas - Software Architect & Senior Software Engineer
Mar, 2021 | Feb, 2024

Client: Internal projects

Elenas is Latin America's top social commerce platform, which has empowered tens of thousands of women across Colombia to launch online businesses and earn extra income by selling products on WhatsApp, Facebook and other social media sites

- Performed as architect and senior backend engineer for the modeling and creation of online payment systems
- Was in charge of coordinating the team, composed of five developers and a UX designer, besides him being the architect
- Worked on the integration of ERP NetSuite
- Redesigned the architecture of a payment-processing system with Huski and GraphQL
- Delivery included: Python, Django, Flask, Java, SpringBoot, Wilfly, C#, PostgreSQL, MongoDB, RabbitMQ, GraphQL

Colamerica Homes - Senior Software Engineer & Team Leader
Jan, 2020 | Apr, 2021

Client: Several clients | Colanet system
Colamerica is a one stop financial service. Its goal is to ensure that each Hispanic family is able to buy, sell, finance or refinance their home and to ensure, at the same time, that their investment is long lasting and will improve their own financial future
- Performed as a senior software engineer
- Was responsible for the whole team
- Implemented COLANET system for the administration of clients in three different States
- Delivery included: Python, Django 3.3, DRF, Java, SpringBoot, Wilfly, Firebase and AWS

iO3 SAS - Software Consultant
Jan, 2020 | Mar, 2021

Client: INSA | Reporting Portal
The main activity of Insa Gas Ltd. is the supply, storage and distribution to customers of liquefied petroleum gases.
- Performed as software development consultant for the business reporting portal of INSA (gas company)

  Used Microsoft Reporting Services 2016 and integrated data with Microsoft Integration Services 2016
- Delivery included: Microsoft Reporting Services 2016 and Microsoft Integration Services 2016

Futlogy - Software Architect
Jan, 2018 | Dec, 2018

Client: Agencia Nacional de Hidrocarburos | iDP 2.0
ANH is a Colombian government agency which is in charge of the management and regulation of the national hydrocarbon resources
- Performed as backend architect for the IDP project
- Obtained information from the virtual customer service and managed flow updates. The application was developed in ASP.NET 4.5, with AngularJS 4.0 and MS SQL Server 2016
  - Created ETLs for data transformation

- Created and MVP using Blockchain in .NET
- Delivery included: .NET, Angular.js, Java, SpringBoot, Wilfly and MS SQL Server

Zaphire - Webmaster
May, 2018 | Aug, 2018

Client: ICETEX | Web Portal
ICETEX is a financial entity that promotes and finances access, permanence and graduation in higher education in Colombia
- Performed as Webmaster and database administrator
- Delivery included: SQL Server 2012, SiteFinity, Internet Information Server, and PowerShell

TSI - Software Architect Sep, 2017 | Jan, 2018

Client: INSA | Several projects
The main activity of Insa Gas Ltd is the supply, storage and distribution to customers of liquefied petroleum gases
- Performed as software architect for the improvement of SIDGAS and web solutions in .NET 4.0

  Improved routines and flows in Transact-SQL for the inventory modules
- Developed solutions for DragonFly and SmartParking using Microsoft Azure Logic Apps ● Delivery included: .NET 4.0, .NET 4.5, and Microsoft Azure Logic Apps

COLEPCON SAS - Manager
Jan, 2013 | Nov, 2018

Client: EAM Consultoría y Servicios | SIPAP
EAM is a procurement company which has several oil companies as clients. They needed a mix of a CRM and a logistics module to be developed to manage their projects, processes, and supplies.
- Developed a business intelligence utility
- Administered the database of TOW oil production, using SQL Server 2012
- Modified the production database for the generation of views and reports for OFM, using Oracle 11g

- Administered the database of OpenWells R5000, using Oracle 11g ● Delivery included: Python, Django, C#, .NET, and SQL Server

CEPCOLSA - Database Administrator & Software Engineer
Apr, 2009 | Dec, 2012

Client: TOW
CEPCOLSA is a Spanish oil company based in Colombia. They needed an app to manage their distribution and production factors
- Developed a web application in .NET
- Administered the database of TOW oil production, using SQL Server 2012 and Oracle
- Administered Linux infrastructure
- Administered geoscience applications
- Managed mass storage
- Delivery included: C#, .NET, SQL Server, and Oracle

Self-employed - Consultant
Feb, 2008 | Dec 2020

Clients: EAM Consultoría, GeoPark, Cámara de Comercio de Bogotá, Empuamazonas
- Created SIPAB, a web application for managing sourcing flows at EAM Consultoría, and SAS Services on Django 1.9, MySQL and nginx

  Administered software and hardware requirements for Cuentame application for GeoPark
- Developed and updated the Enterprise Environmental Information System for the Cámara de Comercio de Bogotá [Commerce Chamber]
- Analyzed requirements for the event registration portal of the Cámara de Comercio de Bogotá
- Developed an Environmental Windows information system for the Cámara de Comercio de Bogotá
- Migrated data from the Educational Plan to Ecopretrol's historical environment using Ecopetrol Enterprise BO/BU 4.1
- Managed and recovered Oracle databases for Empuamazonas ● Delivery included: Python, Django REST, Flask, and MySQL

Self-employed - Database Administrator

Jun, 1998 | Mar, 2009

Client: Several clients | Several projects
Worked for several clients and industries, including CEPSA, CEPCOLSA, and Colombia's Copyrights Of"ice, among others.

- Administered informatics and communications infrastructure for CEPSA Colombia S.A
- Developed a payroll portal for ECOPETROL
- Modeled and migrated data from SIP system to Kactus HR for ECOPETROL
- Trained several team members on Microsoft Project 2000 and MS Project Central
- Supported and trained final users on Windows, Of"ice and Linux
- Developed an application using a client-server in .NET (Visual C#) to migrate 9 ECOPETROL's legacy systems
- Developed web prototypes based in J2EE for internal applications
- Migrated the Copyright system information to a new one
- Maintained, supported and handled data management systems for ECOPETROL
- Developed an integrated information system to manage accounting, finances and payments
- Worked with Ruby on Rails for a short period of time in a desktop system
- Delivery included: C#, .NET, Java, J2EE, Ruby on Rails, and Microsoft SQL Server

Education & Training   Languages

- Universidad Católica de Colombia - Bachelor's Degree in Software Engineering
- English: B2 ● Spanish: Native

Skills

Programming Languages

Python
C#
Java
HTML CSS
Javascript
ECMAScript
XML

Frameworks & Libraries

Django
Flask
SpringBoot
.NET (from 1.1 to 4.7)
ASP.NET
ADO.NET
React.js
Vue.js
WPF
WCF

Platforms & Tools

AWS (RDS, ECS, ECR, EKS, Cloudfront, Cloudwatch)
Docker
Jenkins
 Terraform
 Kubernetes
 PC
 NT servers
 Linux WS & Server
 DOS
 Windows
 Linux
 Xamarin
 PyCharm

Business Verticals

Government administration
Oil & Energy
Management Consulting
Real Estate

Visual Studio Code
Microsoft SQL Server
Oracle
MySQL
R
Power BI
Reporting Services

Professional References

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