

ORLANDO MONTENEGRO



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<https://github.com/orlandc>

Ingeniero de Machine Learning

Professional Background

SECURITY CONSULTANT

Etek International S.A. – Bogotá - Colombia

April 2015 - June 2019

Responsible for the integration of the Identity Management (IDM) and the Identity and Access Management (IAM) platforms with the information systems of the Coomeva holding group.

Responsibilities and achievements:

- Develop strategic plans for systems architecture for the implementation and migration of IDM and IAM systems.
- Manage the development of solutions for integrating different information systems (Active Directory, AS400, Exchange server 2016, PeopleNet Meta4), from the design phase until implementation.
- Identify improvements areas for the service, risk mitigation, processes and allocation of resources for IDM/IAM systems.
- Lead the migration of workflows on the access lifecycle of existing users to new IDM solutions.
- Write and presenting technical reports on findings, best practices and security processes.
- Implement programs and processes on security and access management agreed with the risk management department.
- Architect and developer of a IDM-IAM system with a production and complex development environment (Linux & Windows Server 2012).

SECURITY CONSULTANT

Newnet S.A. – Bogotá - Colombia

November 2011 - March 2015

Responsible for the integration of the IDM and IAM platforms with the information systems for Cali public services enterprises (EmCali) and for the Coomeva group.

Responsibilities and achievements:

- Refine a roles-based security framework.
- Design operational schemes and plans to execute and maintain the IDM workflows
- Participate in the standards development for IDM and IAM.
- Promote effective teamwork, mentor employees, and evaluate individual performance
- Management of the support service for IDM/IAM.
- Ensure a full integration of new technologies with the corporate processes: change management, problems and incidents management, integration with Oracle, Mysql, Postgres, SQL Server, DB2 databases and through Rest, SOAP, LDAP web services.
- Developer of IDM/IAM systems
- Evaluate the security performance through the IDM/ IAM platforms.

SYSADMIN

Actualicese.com – Cali - Colombia

August 2010 - November 2011

Responsible for server administration, the information systems, the development of new applications and management of IT infrastructure.

Responsibilities and achievements:

- Management and administration of Linux Redhat servers and Windows Server 2008.
- Implementation of IT infrastructure based on Linux SoftLayer for the main web page (development and production).
- Development of backend for the main web page on PHP, MySQL. JavaScript, using agile and test-driven practices.
- Creation and maintaining of web sites and database schemes.
- Maintain normal operations on multiple databases (included system monitoring and applying database patches).
- Develop BASH scripts to automate manual processes.
- Perform back-up and data recovery, data migration and fine tuning for optimization
- Execute upgrades and patches to internal tools and platforms.
- Troubleshoot technical issues with hosting partners, customers and the development team.

DEVELOPER API – GOOGLE

Universidad del Valle – Cali - Colombia

November 2009 - April 2010

Responsible for the development and integration of management systems for e-mails and other services provided by Google applications interfaces.

Responsibilities and achievements:

- Develop of the main API lifecycle, web development and quality code
- Develop API services in an agile environment
- Define, plan, deploy and monitor the project scope
- Document the work done according to the university's methodology.
- Create, automate and execute unit test plans for projects code.
- Management of external software components and associated development and testing in terms of deadlines and quality.

Publications & Appearances

Solarte-Pabon, O. Montenegro, O. Blazquez-Herranz, A. Saputro, H. Rodriguez-González, A. Menasalvas, E. "Information Extraction from Spanish Radiology Reports using multilingual BERT" CLEF2021 (2021): 834-845

Educational Background

2022 Master in Science in Computer Science Engineering– Universidad del Valle – Colombia.

2020 Software Engineering – Universidad del Valle – Colombia.

2018 Technology In Information Systems – Universidad del Valle – Colombia.

Awards

- Scholarship for Master in Science in Computer Science Engineering – 1st year.
- Laureate degree thesis: Implementation of a model to extract morphological characteristics for Spanish language using deep neural network.

Certifications

- Google Cloud Platform Fundamentals: Core Infrastructure.
- Elastic Cloud Infrastructure: Scaling and Automation.
- Essential Cloud Infrastructure: Foundation.
- Essential Cloud Infrastructure: Core Services.
- Reliable Cloud Infrastructure: Design and Process.
- [9006] Novell eDirectory 8.8.3
- [3109] NetIQ Identity Manager Administration
- [3110] NetIQ Identity Manager Customization and Roles

Languages

English: Intermediate level

Technical Skills

- Artificial intelligence (AI, Deep Learning, NLP, TensorFlow, PyTorch, Keras, Scikit-Learn)
- Cloud/SaaS services
- Docker, Kubernetes, ansible
- Software development (Python, Perl, Java, C, C++, .Net, JavaScript, PHP, React)
- Databases management
- Development of software databases (Oracle, Postgres, MySQL, SQL Server, CouchDB)
- Information security Management
- Information management
- Telecommunications

References

Available upon request