

Contact

Stamford, CT, United States
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Top Skills

Software Infrastructure
Software Design
Software Systems Engineering

Languages

Inglés (Native or Bilingual)
Español (Native or Bilingual)

Certifications

Microsoft Certified: Azure
Fundamentals
Appian Business Analyst
Appian Designer

Andrés Muñoz

Solutions Architect | DevOps Architect | Site Reliability Engineering |
MSc. Mobile Computing in Vigo University
Stamford, Connecticut, United States

Summary

My experience as a DevOps Architect, SRE, and Solutions Architect leads me to design and implement secure, compliant, and scalable solutions using Cloud Native and microservices architecture. With over nine years of experience in cloud computing, DevOps, and software development.

My focus is ensuring reliable, user-friendly services for a global clientele. I excel at integrating systems, optimizing performance, and implementing robust AWS security measures. Additionally, I architect microservices for flexible multi services processes

Experience

Deuna! app

Expert Solutions Architect

June 2023 - Present (2 years 5 months)

Quito, Pichincha, Ecuador

- **Secure & Scalable Solutions:** Design and implement AWS-based, microservices-driven payment systems that are reliable, scalable, and compliant with industry standards.
- **System Integration & Optimization:** Seamlessly integrate payment platforms with core business applications while continuously monitoring and tuning performance for efficiency.
- **Security & Compliance:** Apply robust security frameworks to safeguard sensitive payment data and ensure full compliance with local and global regulations.
- **Microservices Management:** Build and manage microservices architectures that enable agile, flexible payment processing while troubleshooting complex technical challenges.
- **Innovation in Payments:** Track and adopt emerging trends and technologies in digital payments to deliver innovative, future-ready solutions.
- **Mobile Payment Architecture:** Design and optimize mobile payment platforms, prioritizing performance, security, and user experience.

Housecall Pro

Senior DevOps Engineer

November 2021 - July 2025 (3 years 9 months)

United States

Infrastructure Management & Automation

- Architect and scale AWS environments using IaC with Terraform for consistent, repeatable provisioning.
- Operate and fine-tune EKS clusters to support large-scale containerized workloads.
- Build reusable Terraform modules to standardize infrastructure deployment across projects.
- Streamline delivery with CI/CD pipelines that automate builds, releases, and infra updates.
- Implement disaster recovery strategies to maximize system resilience.

Platform Operations & Monitoring

- Maintain high performance and uptime for Ruby on Rails services running on AWS.
- Configure Prometheus, Grafana, and CloudWatch for observability and proactive alerting.
- Perform capacity planning and tune AWS resources (EC2, RDS, S3, VPC) for cost-effective scalability.

Kushki

Cloud Applications Architect

December 2021 - May 2023 (1 year 6 months)

Quito, Pichincha, Ecuador

- Play a key role in architecting and implementing a unified API and developer platform, focusing on standardization, governance, and enhancing the developer experience.
- Engage in the enhancement and optimization of API development and integration strategies, utilizing advanced tools and methodologies such as Domino and Hopworks across various products.
- Work as a technical leader alongside customer business, development, and infrastructure teams.
- Develop software in Go language, with a strong background in software development best practices.
- Advise and implement AWS best practices.

- Specialize in both infrastructure and application development, leveraging tools like Domino for data science workflows and Hopworks for feature engineering and data management.
- Employ Agile software development and DevOps practices to streamline processes and improve efficiency.

Banco Pichincha

2 years 6 months

DevOps Architect

April 2021 - December 2021 (9 months)

- * Analyzing, executing, and streamlining DevOps practices
- * Automating processes with the right tools
- * Ability to manage teams with a leadership mindset
- * Facilitating development process and operations
- * Establishing a suitable DevOps channel across the organization
- * Setting up a continuous build environment to speed up software development and deployment process
- * Architecting overall, comprehensive, and efficient practices
- * Guiding developers and operation teams in case of an issue
- * Monitoring, reviewing, and managing technical operations

DevOps Engineer

July 2019 - April 2021 (1 year 10 months)

Quito, Pichincha, Ecuador

- * Designs and develops advanced continuous integration automation scripting, automatic deployment, and infrastructures such as code and self-healing.
- * Tech coaching: makes good practice suggestions and writes code different programming languages and paradigms.
- * Modify and customize frameworks and advanced programming tools.
- * Define initial architecture, continuous integration, and continuous deployment architecture, create build-in projects, knowledge base, and base projects. It raises and designs a strategic, technical, and business vision, the purpose of the automation of processes, infrastructure, etc.
- * Reviews the application code and proposes the evolution of the current architecture based on the business impact.
- * Lead and implement the change and/or evolution of the appropriate tools, languages , and platform.

Bixlabs

Senior Software Engineer

January 2017 - July 2019 (2 years 7 months)

Montevideo, Uruguay

- Ensure the performance and reliability of a distributed API platform, emphasizing its availability, observability, and operability.
- Develop scalable web applications using a microservices architecture (Golang), manage system performance, and address issues proactively.
- Full service ownership by being actively involved in continuous integration efforts, including software provisioning, deployment, testing, and version control, while ensuring system reliability and security.
- Establish and maintain strong relationships with both internal and external stakeholders, contributing to scalable architectural solutions.
- Support the professional growth of team members and promote an inclusive environment that values innovation and standardized processes.

Telefónica

Outsourcing Development Manager

November 2016 - July 2017 (9 months)

Ecuador

- Management of the software development process in all its stages.
- Coordination with external suppliers of the company.
- Architecture of technological solutions that satisfy the functional requirements of the internal areas of the company.
- Verify if requirements may be implemented inside the projects structure
- Improve performance and security aspects of the projects structure
- Put together and report key selections about the solution technique & handover to BPM Product proprietor IT for log off

Kruger Corporation

Lider de Proyectos

January 2011 - October 2015 (4 years 10 months)

- Responsible for architecting various modules of a large commercial system
- Responsible for the unit and integration testing of multiple modules
- Managed and delegated assignments to the team to successfully meet the project goals and requirements
- Converted abstract specifications into executable code
- Responsible for designing the web presentation layer for application
- Responsible for implementing solutions for business layer through custom algorithm design
- Developed across all layers of JEE application, including front-end, web tier, and services tier.

Createc s.r.l.

Progress Programmer

November 2009 - August 2010 (10 months)

- Worked on a wide range of project, including web design and development as well as web application development
- Responsible for end to end solution implementation, from requirements gathering to development and testing
- Responsible for communicating technical issues to non-technical management

Education

Universidade de Vigo

Doctor of Computer Science - PhD, Intelligent and adaptive systems · (2019 - 2023)

Instituto Politécnico de Leiria

Máster, Mobile Computing · (2015 - 2017)

Escuela Politécnica del Ejército

Ingeniero en sistemas, Computer Software Engineering · (2006 - 2011)

Vigo University

PhD in intelligent and adaptive systems, Intelligent and adaptive systems