

Carlos Nunez

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GitHub: <https://github.com/carlosnunez>
LinkedIn: <https://linkedin.com/in/carlosindfw>
Blog: <https://blog.carlosnunez.me>
80% travel preferred. Relocation **not** ok.

Education

2005-2010

BEng, Computer Engineering. Stevens Institute of Technology (Hoboken, NJ).

GPA: 3.7/4.0

Certifications

Cloud

AWS Solutions Architect (Associate). Expires March 2020.

Google Cloud Associate Cloud Engineer. Expires October 2020.

Azure Administrator Associate (AZ-103). Expires March 2022.

Cloud-Native

CNCF Certified Kubernetes Administrator (CKA). Expires August 2020.

Core Skills

Programming Languages

Ruby, Python, Bash, Powershell

AWS

EC2, Route53, S3, CloudFront, Lambda, DynamoDB, SQS, SNS, Networking, Security (Security Groups, IAM)

Azure

ARM, VM, DNS, CDN, AKS, Azure REST APIs, vNet/NSG, Azure Policy, Azure Monitor, Azure Log Analytics

Containers

Docker, Docker Swarm, Docker Compose, Kubernetes

Operating Systems

Linux, Windows

Automation

Terraform, Packer, Vagrant

Configuration Management

Ansible

CI/CD

GitHub Actions, Azure DevOps, Jenkins, TravisCI

UI Automation

Selenium, Cucumber

IDE

vim (preferred), VSCode

Monitoring and Observability

Prometheus, Grafana, Datadog

Other

PCF, Chef, Puppet, Go, Rake, Make, Serverspec, Inspec, Agile, Scrum, Kanban, XP, TDD, BDD, Makefile, tcpdump, strace

Outdated, but can re-learn easily

SCCM, SCOM, Java, C#, F#, Octopus Deploy, TeamCity, Active Directory/LDAP, windbg, IDA Pro, SQL

Skills I'm Learning

Programming Languages

JavaScript

Fullstack

React, Node, nginx

Monitoring

Splunk

Database

PostgreSQL

Experience

6/2020-Present

10th Magnitude

Dallas, TX (and other locations)

All the Azure, all the time!

5/2017-6/2020

Contino, *Technical Principal*

Dallas, TX (and other locations)

At Contino, I focused on building high-performance, cross-functional teams to help large enterprises get to production more quickly and providing high-quality technical solutions to tough problems. Key elements of my approach were strategic and tactical advisory to senior engineering leadership, providing engineers with technical leadership through mentorship, pairing, and coaching, and showing the "art of the possible" through demos, example applications, and technical workshops. Additionally, I provided thought leadership in infrastructure automation, modern software development practices, DevOps, and SRE through blog posts, articles, talks, and workshops.

- **Global Financial Services Provider:** Decreased build and deploys for a popular backoffice banking application by 87% and over \$200k per release through building and leading a cross-functional and product-aligned engineering team.
- **Global Consumer and Investment Bank:** Reduced team toil by over 50% and increased customer attrition by over 40% for a global internal PaaS offering by building an embedded SRE team.
- **Large Brokerage and Institutional Investor:** Adapted Ruby, Rspec, Cucumber and Selenium Grid to reduce deployment time of a major investment portfolio management web service to 10 minutes from 22 weeks.
- **Large Human Capital Management Provider:** Architected a portable monitoring-as-code platform using Python, Bash and Datadog APIs.

- **Business Development:** Authored and participated in pre-sales and business development through proposal writing and statement-of-work creation.
- **Community Outreach:** Authored several blog posts and talks for DevOpsDays, All Day DevOps, and others.

5/2016-5/2017

ThoughtWorks, Senior Infrastructure Consultant

Dallas, TX (and other locations)

At ThoughtWorks, I was responsible for providing high-quality engineering for large enterprises. My focus was largely on infrastructure automation and systems software development against legacy, on-premise environments.

- **Global credit card issues and credit broker:** Architected infrastructure-as-code pattern for website deployments using Terraform and Chef.
- **Large national mortgage underwriting agency:** Delivered self-service environment creation pipeline using Puppet, Ruby and vRealize Operations that reduced creation of development environments by two weeks.
- **Large statewide dental insurance provider:** Architected a containerized platform for a dental claims processing engine with Rancher, Kubernetes, Docker and VMware vSphere.
- Created hiring and recruiting standards for infrastructure and DevOps consultants for ThoughtWorks nationwide.

10/15-5/16

Namely, Site Reliability Engineer

New York, NY

- Maintained 99% uptime and improved continuous deployment of Namely Payroll using Ansible, Octopus Deploy, Bash, PowerShell and Jenkins.
- Architected an Ansible playbook and Powershell/CloudFormation to migrate Namely's DMZ Active Directory domain onto AWS EC2 and, afterwards, to Amazon Enterprise AD.
- Architected a secure bastion host infrastructure for third-party benefit provider access into Namely Payroll with Powershell, Ansible and read-only domain controllers.

2/15-10/15

Google, Managed Systems SRE

New York, NY

- Architected, developed and deployed an outage reporting dashboard using Drupal, SQL and Google's visualization API that reduced our overdue backlog by over 60%.
- Hardened remote access and arbitrary command execution into our platform by developing a Kerberized Powershell endpoint for use with Rundeck, our infrastructure orchestration tool.
- Reduced knowledge silos and improved visibility of our tools throughout Corporate Engineering by creating documentation standards and writing several playbooks and runbooks.
- Consulted and vetted vendor designs for integrating enterprise-level third-party software onto Google infrastructure using Google best practices.

Older Employment History

Consult my LinkedIn profile for more information.

Two Sigma Investments	Systems Engineer	2/2014 - 1/2015
Jane Street Group	Systems Engineer	5/2012 - 1/2014
Macquarie Capital	Systems Engineer	4/2009 - 4/2012
Medco (Express Scripts)	Business Analyst	5/2008 - 12/2008
BlackRock Solutions	Software Engineer (Co-Op)	9/2007 - 12/2007
BlackRock	Technology Analyst	1/2007 - 5/2007

Community Contributions

DevOpsDays Dallas 2019

Part of the organizing committee, where I helped review Calls for Proposals (CFPs), find speakers and develop the run-of-show.

HashiCorp Users Group: DFW

Founded the HashiCorp Users Group of Dallas/Fort Worth to bring users of HashiCorp products, like Terraform, Consul and Vault, and talk about all things infrastructure, code and DevOps.

LinkedIn Learning

Authored and recorded *DevOps Foundations: Your First DevOps Project*, a course on Lynda on using TDD, BDD, Docker and AWS to migrate a simple website, with tests, into the cloud. Check it out: <https://www.linkedin.com/learning/devops-foundations-your-first-project/your-first-project-devopsified>

Talks and Webinars

Visit <https://blog.carlosnunez.me/talks/> to see the most up-to-date list of talks that I've given.

Hobbies and Interests!

- Road biking
- Reading and writing about tech
- Writing software to automate my life!
- Weightlifting
- Breweries and wineries
- Travel!

Resume version: **d0dbe7de**