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Top Skills

PLC Programming
Article Writing
Business Writing

Languages

English (Native or Bilingual)
Spanish (Native or Bilingual)

Certifications

AWS Concepts
AI Pair Programming with GitHub Copilot
AI Pair Programming with GitHub Copilot X
Prompt Engineering: How to Talk to the AIs
Advance Your Database Administration Skills

Jose Castillo

Principal Consultant | Azure Consultant, Azure Infrastructure, IaC, DevOps Engineer, Terraform, Ansible, Data Engineering
Honolulu, Hawaii, United States

Summary

Most recently working as a General Laborer doing home demolition, materials handling and delivery, rubbish removal, painting, digging, whatever is needed to complete work at multiple home building sites.

Working with Azure Cloud for over ten years, the most recent as Principal Consultant of my own company. My career has centered on architecting robust Azure infrastructures and championing Infrastructure as Code (IaC) with Terraform, Ansible, and PowerShell. Engaging with many teams across multiple organizations spanning diverse industries. have added value to the success of dozens of cloud projects. Cloud maturity assessments, adoptions, migrations, reimplementation's; architecture, engineering and operational support; Team lead to individual contributor. Through it all, meeting and working with some of the smartest, open, understanding, stubborn, inclusive, opinionated, sometimes abrasive, informed people, from all over the world. As I continue to learn and grow, trying to include more data related challenges (at the rate data is growing, I'm convinced we will all be data engineers and analysts in a few short years), I hope to bring my unique set of experiences and continually expanding skillset to bear on your ongoing challenges, initiatives, projects, and goals in whatever capacity adds the most value to your organization. I look forward to meeting and working with you.

Experience

GRAHAM BUILDERS, INC.

General Laborer

February 2025 - Present (2 months)

Home demolishing, materials handling and delivery, rubbish removal, etc...

PFG Services LLC

Principal Consultant - Senior Azure Infrastructure Architect/Engineer/
IaC Developer

November 2021 - March 2025 (3 years 5 months)

Honolulu, Hawaii, United States

Infrastructure as Code developer specializing in Azure using Terraform, PowerShell and some Python. Experienced in adding Day-2 activities through Ansible.

Experienced in migrating applications from On-Prem to Azure.

Experienced in performing build and deployment pipeline migrations from Jenkins to Azure DevOps.

Routinely create/maintain and modify CI/CD pipelines for code deployments using Azure DevOps covering a range of languages.

Experienced Senior Azure Administrator, supporting RHEL and Windows Server.

Experienced in supporting Azure Active Directory and RBAC

Experienced with Azure Kubernetes Services and container management with Prometheus, Linkerd and AGIC ingress controllers.

Experienced with Helm.

Experienced at deploying and maintaining the following technologies:

- IaaS to include VMs, VNets and subnets, Load-Balancers, App Gateways, Storage Accounts
- NSGs, ASGs, Access Control Lists, Firewall, etc
- Implement security best practices for all resources and services
- Azure Monitoring
- Azure Management Groups and Azure Policy
- PaaS to include AKS, App Services, API-Manager
- Serverless services to include Logic Apps, Function Apps, etc
- Azure Data Services to include Data Factory, DataBricks, Data Lake Gen2, Azure SQL, PostgreSQL, MySQL.
- Data Migrations from on-prem to Azure SQL
- Familiar with Cosmos DB and Synapse.

Experienced in creating enhanced reporting with PowerBI.

Experienced in basic configuration with Splunk.

Experienced with troubleshooting issues using Splunk.

Experienced in creating dashboards with Splunk.

Experienced in basic configuration with Dynatrace.

Experienced in using Dynatrace for application issue resolution.

Experienced in creating dashboards with Dynatrace.

Clients include Costco, Wolters Kluwer, Burlington Coat Factory, GM Financial, FedEx, ATT, Ball Horticulture, SAIC, Wild Fork Foods, Delta Dental, Veterans Administration

Connecticut Data Systems Inc

Azure Senior Cloud Engineer

September 2023 - November 2024 (1 year 3 months)

Stamford, Connecticut, United States

Worked part time with a former coworker at his company where they need Azure expertise immediately as they ramped up their talent base. I provided Azure design and architecture, deployed the preliminary governance and network hub-and-spoke, and began deploying resources. We used terraform for this where we could as the client had some connectivity challenges. If things were deployed manually, we would import those resources into terraform so that the infrastructure could be managed as code going forward.

Molina Healthcare

Azure Infrastructure Architect

May 2023 - May 2024 (1 year 1 month)

United States

Responsible for developing IaC using Terraform, PowerShell, and Bash scripts. All Azure resource creation was delivered as Infrastructure as Code leveraging Terraform Cloud as the Build and Deployment pipelines. Responsible for establishing our team within Azure DevOps for Agile team management using Kanban. Also developed and showed the team how to use the free tools at hand to include Windows Subsystem for Linux, VSCode, python, etc. Migrated existing Terraform code into Terraform Cloud. Updated Terraform Cloud workflows to accommodate new Azure resources for deployment.

QCENTUM TECHNOLOGIES LLC, Ark Solutions, LTI Mindtree, Microsoft, -> AT&T

Azure Engineer

May 2023 - September 2023 (5 months)

Honolulu, Hawaii, United States

Worked through QCentum, Ark and LTI Mindtree, to place me as a Microsoft Contractor support AT&T OpenStack provisioning team

U.S. Department of Veterans Affairs

Senior Cloud Architect

October 2021 - January 2023 (1 year 4 months)

Honolulu, Hawaii, United States

Responsible for building, maintaining, and troubleshooting all Cloud resources across the enterprise for both Azure and AWS.

Performed builds of the following cloud infrastructure:

- VMs
- Load Balancers
- Azure Storage accounts
- Azure Gen2 Storage Accounts
- AWS VMs
- AWS S3 storage
- Implemented a framework for using Terraform to create Infrastructure as Code leveraging Azure DevOps as a build and deployment pipeline
- Worked with Ansible Tower team to be integrating Ansible tasks after Terraform builds were complete

Cognizant

Senior Infrastructure Architect

December 2019 - November 2021 (2 years)

Chicago, Illinois, United States

Worked on multiple projects that include Infrastructure provisioning, on-prem to cloud migrations, DevOps, infrastructure release management, Jenkins to Azure DevOps pipeline migrations. All Azure resource creation for every engagement was completed using Terraform to create Infrastructure as Code. Routinely create/maintain and modify CI/CD pipelines for code deployments using Azure DevOps covering a range of languages:

- Javascript
- Nodejs
- Python
- .NET
- Terraform

Automation written in PowerShell, Bash.

Familiar with Python.

Experience at delivering enhanced reporting using PowerBI.

Azure services included:

- Azure Active Directory and RBAC
- AKS, Linkerd, AGIC, Helm
- Familiar with Rancher for Kubernetes Management (on-prem)
- Azure Storage accounts and Data Lakes
- Kafka, Hadoop
- Azure SQL, Azure Data Factory

- Data migrations from on-prem to Azure SQL
- Azure VMs and VM Scalesets
- VNETs/Subnets, Azure Load Balancers and Application Gateways
- NSGs, Storage Firewalls, Azure Firewalls
- Azure Monitoring
- Assisted in migration from Terraform Enterprise to Terraform Cloud

Clients included:

- Interstate Battery
- Interado Communications
- AT&T
- T-Mobile

Foot Locker

Senior Manager, DevOps

February 2018 - December 2019 (1 year 11 months)

Greater Chicago Area

Responsible for the continued development of the cloud operating platform in Azure, establishing an engagement workflow for infrastructure, application build, and deployment, automation requests supporting all development teams currently building the new online E-Com application experience for all Foot Locker brands.

Responsible for leading efforts to migrate on-premises applications to the cloud.

Routinely create/maintain and modify CI/CD pipelines for code deployments using Azure DevOps covering a range of languages

Proficient in developing infrastructure automation on Azure using Terraform.

Migrated terraform build workflows to Azure DevOps and Pipelines.

Responsible for establishing a clear understanding of new roles within our DevOps group as it grows

Experienced in basic configuration with Splunk.

Experienced with troubleshooting issues using Splunk.

Experienced in creating dashboards with Splunk.

Experienced in basic configuration with Dynatrace.

Familiar with and regularly use the following technologies:

- Experienced in supporting Azure Active Directory and RBAC
- Azure Resource Manager, ARM Templates
- Experienced with AKS and container management with Prometheus, Linkerd and AGIC ingress controllers. Experienced with Helm.
- Familiar with Rancher Kubernetes Management System

Experienced at deploying and maintaining the following technologies:

- IaaS to include VMs, VNETs and subnets, Load-Balancers, App Gateways, Storage Accounts, Data Lake services, etc
- Azure Monitoring
- Azure Policy
- PaaS to include AKS, App Services, API-Man
- Serverless services to include Logic Apps, Function Apps, etc
- Azure Data Services to include Data Factory, DataBricks, Data Lake Gen2, Azure SQL, PostgreSQL, MySQL, DB migrations from on-prem to Azure SQL
- Familiar with CosmosDB and Synapse.
- Red Hat 5.x-7.x, Windows 2008-2012R2, Windows 2016
- Powershell, Bash, some Ruby
- Jenkins, Bamboo, Azure DevOps
- Terraform
- Chef, Vagrant
- Source control with Git

Walgreens Boots Alliance

Technical Architect - Cloud Architecture Team

March 2016 - February 2018 (2 years)

Deerfield, IL

Focusing on the development and implementation of cloud-based Infrastructure as Code with Chef as our configuration management and orchestration tool, and Chef Delivery as our Continuous Integration/Continuous Deployment pipeline. Along with infrastructure architecture and development, worked with the Digital team to help integrated infrastructure code with their application code to deliver a complete, end-to-end infrastructure and application solution that will facilitate rapid development, automated testing, and delivery to accelerate our time to market for new business ideas.

Automation written in PowerShell and bash.

Also assisted in migration of various applications from on-premises to Azure.

Routinely developed code to deploy Azure services to include:

- Storage Accounts
- VMs and VM Scalesets
- Azure VNETs and Subnets
- Azure Load Balancers and Application Gateways
- Azure SQL

YJT Solutions

Director of Platform Services

December 2015 - March 2016 (4 months)

Responsible for insuring "Worry Free IT" to YJT customers through a "Deliver First" strategy that starts with best of breed solutions implemented to empower YJT Engineers to effectively exceed all customer needs around the clock.

Walgreens Boots Alliance

Technical Architect - Cloud Engineering

August 2015 - December 2015 (5 months)

Deerfield, Illinois 60015

Focusing on the development and implementation of cloud-based Infrastructure as Code with Chef as our configuration management and orchestration tool, and Chef Delivery as our Continuous Integration/Continuous Deployment pipeline. Along with infrastructure architecture and development, worked with the Digital team to help integrated infrastructure code with their application code to delivery using Powershell to provide a complete, end-to-end infrastructure and application solution that will facilitate rapid development, automated testing and delivery to accelerate our time to market for new business ideas. Also wrote automation with bourne shell and bash.

Walgreens

Manager, Cloud Engineering

July 2014 - August 2015 (1 year 2 months)

Lincolnshire, IL

Currently responsible for providing planning and execution guidance to the cloud initiative at Walgreens. These duties include tool selection, ensuring the planning, architecture, execution and documentation of our IaaS initial phase this year, POC and implementation of configuration management tools (CHEF) as part of our IaaS service, planning of PaaS for a limited scope of basic applications. Also responsible for enabling automation within the other towers (storage, compute, network) not currently targeted for cloud services leveraging bourne shell and bash.

All Azure Cloud provisioning written in ARM.

GE Capital

Storage Lead

October 2012 - July 2014 (1 year 10 months)

New Orleans

Provide storage engineering solutions recommendations involving EMC block, NetApp file, implementations and implementation support for various business groups. Currently assisting in the build-out of a lab environment that includes

configuration and administration of multi-server VM farms, architecture,
configuration and administration of multi-vendor SAN/NAS array and switches.
Scripted automation solutions in Bourne Shell and Bash

PayPal

Storage Administrator

May 2011 - October 2012 (1 year 6 months)

Phoenix, Arizona, United States

Responsible for overall operational storage environment. This includes net-new storage allocations, existing host capacity additions, storage reclamations, host-based storage migrations, NAS allocations and reclamations, rotating on-call and more.

Responsible for availability, maintenance, upgrades, etc of all storage tools to include Hitachi Command Suite with Hitachi Device Manager, Tuning Manager, RAID Agents, NetApp OnCommand suite, Virtual Instruments Virtual Wisdom, Brocade Data Center Fabric Manager.

Responsible for writing implementation plans and procedures, existing procedure updates, root cause analysis reports, known-error logs, etc for operations.

Maintain the storage team documentation portal.

Scripted solutions in Bourne shell and Bash

GE Capital Retail Finance

Senior Systems Analyst

October 2008 - May 2011 (2 years 8 months)

Shelton, Connecticut, United States

Operations Lead - UNIX

Responsible for overall operations environment. This included VERITAS Foundation Suite on multiple consolidated oracle HA and RAC servers, Solaris LDOM and zone farms, standalone Solaris servers, the storage tech stack (powerpath/foundation suite or UFS/ZFS). Responsibilities included designing patching methods using live-upgrade, design and assist with storage array migrations, design and implement new virtual and physical environments, troubleshoot major issues and outages.

Responsible for entire NAS environment using Sun 5220Cs. Also responsible for EMC NX system in POC environment which includes 15+TB of SAN and NAS storage, with Cisco MDS switches and a redundant NAS (Celera) head.

Bourne shell, Bash

Responsible for writing standards, implementation plans, update procedures, root cause analysis reports, etc for operations.

Maintained the midrange documentation portal.

Responsible for all change management in the environment, insuring that proper ticketing and compliance measures were adhered to. Responsible for initiating and providing plans for infrastructure projects, assisting during the life of the project.

Responsible for insuring proper Transition-To-Operations (TTO) for all new builds or major architecture changes.

Technologies used include:

Solaris up to version 10, Zones/Containers, LDOMs, Jumpstart (JET), Live-Upgrade, SunOne Web Server, SunOne Directory Server, Sun Cluster, QFS, ZFS, Apache, Tomcat, JBoss, Websphere, Weblogic, Oracle, MySQL, Veritas Storage Foundation including Cluster
E25K, E480/880/1280, T2000/5220, Sun 5320C NAS, v245, B6000 blade center

Augmentity Systems

Technical Manager

November 2005 - October 2008 (3 years)

Miami, Florida, United States

Based out of Miami, worked as a consultant on multiple contracts, primarily representing Sun Microsystems

Duties included design and implementation of Sun Cluster, Veritas Netbackup, SAM-FS/QFS, and various other software packages. Responsible for insuring completion of all tasks, documentation of implementation, training of customer personal, and handover of implemented solution.

Technologies used during time at this employer:

Solaris up to version 10, Jumpstart (JET), Live-Upgrade, Sun Cluster, Sun Availability Suite, SunOne Web Server, SunOne Directory Server, Veritas Storage Foundation including Cluster

Borne Shell, Korn Shell, Bash

Hitachi 9975, 9985, 9990 using Storage Manager, McData switches, Brocade switches using their management interfaces

Sun 9985, along with ACSLS

Sun Tape Libraries, SC700 and 500, along with management interfaces

Clariion Disk Library along with management interfaces

Sun E25K, E6900/E490/890/1290, v240/440, T2000

Agilysys

Senior Systems Engineer

August 2004 - November 2005 (1 year 4 months)

Miami, Florida, United States

- Based out of Miami, worked as a consultant on multiple contracts, primarily representing Sun Microsystems
- Duties included design and implementation of Sun Cluster, Veritas Netbackup, SAM-FS/QFS, and various other software packages. Responsible for insuring completion of all tasks, documentation of implementation, training of customer personal, and handover of implemented solution
- Technologies used during time at this employer:
 - Bourne Shell, Korn Shell, Bash
 - Solaris, Sun Cluster, Sun Availability Suite, SunOne Web Server, SunOne Directory Server, Veritas Storage Foundation including Cluster
 - Sun Tape Libraries, SC700 and 500, along with management interfaces
 - Clariion Disk Library along with management interfaces
 - E6800/E480/880/1280, v240/440

Baptist Health South Florida

Senior Systems Engineer

May 2004 - August 2004 (4 months)

Miami, Florida, United States

Supported Windows Servers. Tasks included packaging various applications and deploying them for medical staff.

TEKsystems

Senior Systems Engineer

December 2003 - May 2004 (6 months)

Newark, California, United States

Worked as a contractor providing staff augmentation and system administration support services to several campus lab sites.

Built and rebuilt solaris servers in support of development for Sun NetConnect product.

Technologies used included:

Solaris, Sun Cluster, Storage Foundation

Sun v100/120/240/440

SATS Technology Support

IT Trainer

February 1999 - December 1999 (11 months)

Sarasota, Florida, United States

Trained students on SGI Challenge/Onyx systems

Allied Signal

UNIX Systems Administrator

October 1998 - June 1999 (9 months)

Basic, Intermediate and Advanced systems administration in an SGI/IRIX environment.

GALAXY COMPUTING LIMITED

Systems Analyst

July 1998 - October 1998 (4 months)

Miami, Florida, United States

Provided IT support for Solaris. Routinely used bourne shell, korn shell, bash.

EY

Systems Analyst

February 1998 - July 1998 (6 months)

Miami, Florida, United States

IT consulting to various accounting clients

GTE Government Systems

System Analyst

November 1995 - February 1998 (2 years 4 months)

Panama City, Panamá, Panama - Quarry Heights

UNIX Systems administrator. Ultrix, Digital UNIX, SunOS, Solaris
Bourne Shell, Korn Shell, Bash

US Army

8 years 8 months

Military Occupational Specialty 74F - Computer Programmer

May 1994 - November 1995 (1 year 7 months)

Panama

IT engineer supporting military intelligence operations in Panama

Military Occupational Specialty 74F - Computer Programmer

September 1991 - May 1994 (2 years 9 months)

Fort Benning, Georgia, United States

Support Personal Administration Center operations

11 M, Mechanized Infantry

November 1989 - September 1991 (1 year 11 months)

Fort Benning South, Georgia, United States

Mechanized Infantry at US Army Training Command

Military Occupational Specialty 11M Mechanized Infantry

July 1987 - November 1989 (2 years 5 months)

Aschaffenburg, Bavaria, Germany

Mechanized Infantry stationed in Germany

US Army 11M Mechanized Infantry

April 1987 - July 1987 (4 months)

Fort Benning, Georgia, United States

US Army Basic Training

AIT (Advanced Individual Training) 11B Infantry

AIT (Advanced Individual Training) 11M Mechanized Infantry

Miami Decking

General Laborer

April 1985 - February 1987 (1 year 11 months)

Miami Springs, Florida, United States

Cleaned, prepared and filled steel molds for support towers on the Miami Metrorail. Cleaned, oiled, ran multiple twisted-steel wire cables, tightened, poured concrete at noon. Next day, rinse and repeat.

Education

Fort Hays State University

Bachelors of General Studies, General Studies with a concentration in Atlantic History · (2014 - 2017)