Santiago Villarreal / 04th, February 2021

Personal data

Current location: Buenos Aires, Argentina
Email: santiago.villarreal.js@gmail.com
Phone Number: +5491151333112
Date of Birth: 1987-10-06
Place of birth: Buenos Aires, Argentina

About

Experienced Engineer with a demonstrated history working with information technology in the services industry. I have an Engineer's Degree in Management Information Systems (Universidad Tecnológica Nacional - Buenos Aires, Argentina)

I do love innovating, teaching, taking the ownership and assuming the challenges. The word "TEAM" means for me, basically.. ALL. I love the profession and can define myself as totally proactive and with a 100% collaborative spirit. Good enough prepared to work in highly dynamic and demanding environments.

Work Experience

02/2021 – Now
Cloud Engineer at Ocelot Consulting

01/2020 – 02/2021
South America Product & Software Engineer in Bayer Crop Science, Bayer, *Argentina*

Continuing my career in Bayer, not as a contractor but as effective employee.
Cloud Engineer and Sr FullStack DevSecOps. Working with a variety of AWS services: IAM, CloudFormation, VPC, Route53, Lambda, SNS, SQS, API Gateway, SSM parameters, System Manager, CloudFront, CloudWatch, S3, RDS, ElastiCache, Service Catalog. Creation of resources and infrastructure with Cloudformation, CI/CD with Codepipeline and Codebuild.

My team has the critical mission to migrate a huge business platform in Brazil from Bayer's AWS own account to a new and independent one. Gained hands-on experience on:

- Setting up the new infrastructure on the AWS account with IaC (AWS Cloudformation) approach. CI/CD implemented with Codepipeline: VPCs, Subnets, Security groups, Hosted Zones, IAM Roles, User groups, Service users, Service Catalog, Cloudwatch dashboards, rules, alerts, metrics and monitors.
- Migration of 120 + AWS lambdas with multiple AWS resources such as S3, RDS, SQS, SNS, SSM params, Api Gateway, Custom domains, Route53 records sets and more using also Cloudformation templates to create all the AWS resources.
- Building automation tools: going manual is bad word, we follow automation as the natural and good practice.
- Creating a process that just providing a small json as input (with a lambda function name e.g.) it auto-generates all the cloudformation code and configuration not only for the lambda, but for its associated resources (SQS queues, SNS topics, API Gateways and its REST resources, authorizer..), providing as an output the Github PR for in few seconds migrate all the stuff (keep in mind that in old account everything was created manually)
- Creating Codepipelines for our CI/CD flows in replacement of old Jenkins Jobs (using AWS Cloudformation)
- Defining the strategy to migrate the data stored in RDS and S3 buckets
- Creating Cloudfront distributions with Canary strategy taking advantage of Lambda@Edge functions and Cache Behaviors (using AWS Cloudformation)

08/2017 – Present
Assistance Professor - BigData and NoSQL Database Implementation course, UTN Buenos Aires, *Argentina*

- Exams
- Practical work design and check
- Lessons

- Teaching

05/2019 - 12/2019

South America Product & Software Engineer in Monsanto Company, intive, *Buenos Aires, Argentina*

Cloud Engineer and Sr FullStack DevSecOps. Working with a variety of AWS services: IAM, CloudFormation, VPC, Route53, Lambda, SNS, SQS, API Gateway, SSM parameters, System Manager, CloudFront, CloudWatch, S3, RDS, ElastiCache, Service Catalog. Creation of resources and infrastructure with Cloudformation, CI/CD with Codepipeline and Codebuild.

My team has the critical mission to migrate a huge business platform in Brazil from Bayer's AWS own account to a new and independent one. Gained hands-on experience on:

- Setting up the new infrastructure on the AWS account with IaC (AWS Cloudformation) approach. CI/CD implemented with Codepipeline: VPCs, Subnets, Security groups, Hosted Zones, IAM Roles, User groups, Service users, Service Catalog, Cloudwatch dashboards, rules, alerts, metrics and monitors.
- Migration of 120 + AWS lambdas with multiple AWS resources such as S3, RDS, SQS, SNS, SSM params, Api Gateway, Custom domains, Route53 records sets and more using also Cloudformation templates to create all the AWS resources.
- Building automation tools: going manual is bad word, we follow automation as the natural and good practice.
- Creating a process that just providing a small json as input (with a lambda function name e.g.) it auto-generates all the cloudformation code and configuration not only for the lambda, but for its associated resources (SQS queues, SNS topics, API Gateways and its REST resources, authorizer..), providing as an output the Github PR for in few seconds migrate all the stuff (keep in mind that in old account everything was created manually)
- Creating Codepipelines for our CI/CD flows in replacement of old Jenkins Jobs (using AWS Cloudformation)
- Defining the strategy to migrate the data stored in RDS and S3 buckets
- Creating Cloudfront distributions with Canary strategy taking advantage of Lambda@Edge functions and Cache Behaviors (using AWS Cloudformation)

05/2018 - 04/2019

South America Product & Software Engineer in Bayer Crop Science, intive, *Argentina*

VCT (Value Capture Transformation) Brazil - POD & Value Capture

Main achievements:

- Implementation of AWS WebSockets technology
- Implementation of the new POD (Point of Delivery) for Brazil, learning a new business and a new stack of technologies
- Foundation implementation: for the backend of a new AWS cloud infrastructure & architecture: serverless stack with lambda functions, SQS,SNS, API Gateway, RDS, Aurora.
- Implementation of the foundation for unit testing in node.js. Spread to the rest of the teams.
- Implementation of monitoring (covering backend services and API Gateway components) letting devops teams being proactive about errors, failures and risks. Via Slack notifications, teams realize about any production or non-prod issue in real time. It was the result of combining a sort of technologies and tools such us: CloudWatch, Winston, Lambda functions, SQS, SNS, Slack API, subscription filters, REST.. As well as made all the necessary KT to the rest of the teams in order to help them to implement it.
- Implementation of UI monitors for Slack that let devops team realizes proactively about a sort of front-end issues, collecting a lot of information about browser versions, operative systems and so on, letting us to improve the production support.
- Implementation of a Redis cluster (SOX compliance, with encryption at rest, encryption in transit and with authentication token) for all the teams.Refactoring of a core component: the Authenticator & Authorizer, used by more than 150 services. It reduced the calls to legacy systems and increases the availability & response times.
- Development of a MongoDB POC in order to consider it as an alternative to PostgreSQL
- Implementation of user stories key for the business, developing both backend and frontend and participating in the analysis as well.

05/2017 - 04/2018

South America Product & Software Engineer in Monsanto Company, intive, *Argentina*

MONSANTO - POD Argentina - Industry System & Value Capture

Main achievements:

- I learnt a new kind of business based on the fees charged to all soybeanPODs and producers which use Monsanto technology in their production. TheIndustry System lets Monsanto to capture the value of all biotechnology events applied to soybean through the economic recognition
- Put into production, in record time and with total success and business satisfaction a really complex system, at that moment with more than a year without maintenance, touched by more than 25 pair of hands, absolutely unmanaged.
- Took the ownership in elaborating a plan for moving from a traditionalJava web architecture to a CLOUD one (AWS), developing lots of POCs, evaluations, analysis, meetings with AWS team, cross teams, managers..Doing investigations, pushing the business and entire team to improve all the architecture and infrastructure.
- Developed a lot of key stories for the business (front-end and backend)

09/2010 - 04/2017

Fullstack Java Web Applications Developer / Analyst, TopGroup S.A., *Buenos Aires, Argentina*

- Development, maintenance, design and architecture of enterprise applications and web sites for Unctad DMFAS, INCSA Carrefour, Cencosud, Provincia Seguros de Vida, Western Union and Instituto Asegurador Mercantil.
- Frameworks/APIs/technologies: Spring, Hibernate, Struts 1 and 2, JSP, Vaadin 6 and 7, PrimeFaces, JDBC, Log4J, JSF/RichFaces, XSLT, Apache FOP, XSL-FO, Jasper Reports, Apache Commons, Junit, Mockito, REST, Soap, Jax-Ws / Axis2, PHP
- Tools: Maven, Ant, Jenkins/Hudson, SVN, Mercurial.
- Containers: Apache Tomcat, IBM WebSphere.
- DB engines: Oracle, MySql.

08/2008 - 07/2010

Teacher Assistant, UTN FRBA,

Ad honorem teacher assistant in "Algoritmos y Estructura de Datos" subject (Algorithms and Data Structures)

Languages

Spanish - Native or Bilingual
English - Professional Working

Education

Period: 01/2006 -07/2013

Degree Title: Engineer's Degree, Management Information Systems

School: Universidad Tecnológica Nacional

Skills

- Scrum - 91%
- Big Data - 83%
- Test Automation - 68%
- Systems Engineering - 79%
- Hibernate - 76%
- Maven - 50%
- Linux - 50%
- Spring - 50%
- MongoDB - 50%
- Docker - 30%
- Angular - 50%
- SpringBoot - 50%
- AWS Lambda - 50%
- Angular Material - 50%
- Node.js - 50%
- Amazon RDS - 50%

PostgreSQL - 50%

Amazon S3 - 50%

Amazon Simple Notification Service (SNS) - 50%

Amazon Web Services (AWS) - 50%

Amazon CloudWatch - 50%

AWS CodePipeline - 50%

Amazon ECS - 50%

Mockito - 50%

Cassandra - 50%

Redis - 50%

Microservices - 50%

JMeter - 50%

TypeScript - 50%

Behavior-Driven Development (BDD) - 50%

Apache Kafka - 29%

Cloud Foundry - 51%

Mac OS - 60%

Akana - 50%

Amazon SQS - 70%

Amazon EC2 - 70%

Amazon CloudFront - 60%

Amazon VPC - 70%

AWS Fargate - 40%

Recommendations

"He trabajado con Santiago en proyectos de desarrollo y siempre ha estado a la altura de las circunstancias. Es un profesional tecnicamente muy solido y con un alto potencial para desarrollar."

Alejandro Mesa, DBA Oracle, Grupo Banco Provincia S.A., alejandro.mesa@provida.com.ar

"Santiago, durante su tiempo laboral en nuestros proyectos, demostró una capacidad excelente de adaptación a nuevas condiciones y herramientas de trabajo. Realizó la capacitación requerida proactivamente, encontrando soluciones e innovando dentro del proyecto. Destaca en su capacidad de analizar problemas internos de un sistema y encontrar soluciones de excelencia, tanto como en el volumen de desarrollo. Cabe destacar también su responsabilidad laboral y compromiso con el proyecto, tanto en el aspecto técnico como humano. Para finalizar, pero no menos importante, es fundamentalmente una buena persona"

Christian Carassai, Arquitecto de Software, Provincia Seguros de Vida S.A., ccarassai@gmail.com

"Santiago es un excelente profesional, pero lo más importante es que él es una excelente persona. Su expertise en desarrollo de aplicaciones sobre lenguaje Java se combina son su calidad de trabajo y responsabilidad para abordar cada proyecto asignado."

Juan Zaffaroni, Director de la Diplomatura en Arquitecturas de Big Data Aplicadas, Universidad Tecnológica Nacional, jzaffaroni@dblandit.com

Certificates

AWS Cloud Architect Associate
Mobile Applications Development
NoSQL Databases Implementation
Vaadin 7 Certified Developer

Out of Office

- Sports: a lot of years playing soccer and volleyball, two great team sports in which I learnt a lot of overcoming hard situations and getting funny working as a team
- Fitness: in order to feel more energetic and able to enjoy practicing any sport
- Playing drums: I love music and learning its language for connecting with such amazing world
- Extreme sports: skiing, bodyboarding.. Allow me feeling so close to the nature and landscapes, which provides me a mind refresh
- Other: traveling, family, friends, reading, tv-series, films, video-games..