

Santiago García Arango

github.com/san99tiago | [linkedin.com/in/san99tiago/](https://www.linkedin.com/in/san99tiago/)
(+57) 3206829189 | san99tiago@gmail.com
English (bilingual proficiency) | Spanish (native)

EXPERIENCE

Senior Systems Engineer [DevOps] (EPAM Systems)

(2022-present)

Senior DevOps Engineer leveraging AWS and DevSecOps practices for global enterprise companies (Bose Corp).

- Developed robust Infrastructure as Code solutions being used in 15+ teams as Terraform modules that worked as “Cloud-Building-Blocks” for simplifying AWS deployments with a complete CI/CD re-usable and highly configurable approach.
- Contributed to the design, creation and deployment strategy for a multi-account and multi-region solution that impacted more than 100 AWS accounts and required an advanced understanding of networking, IaC, AWS CDK, AWS Control Tower and security concepts.
- Built a cloud-native production level REST-API and CLI (decoupled) on AWS that helped in the automation of internal company-wide workflows containing more than 10 microservices with unit-testing, integration-testing and tunable deployments with GitLab CI/CD and external tools such as SonarQube and Checkov.

Software Engineer [DevOps-Cloud] (Bancolombia, Colombia)

(2021-2022)

Software Engineer for high-impact transactional projects enhancing cloud-native solutions.

- Implemented microservice architectures obtaining up to 99% deployment efficiencies with tools such as Docker, AWS, Azure DevOps, SonarQube and OWASP.
- Participated in the migration (mostly refactors and replatforms) of 10+ transactional applications from on-premise data centers towards AWS and Azure clouds.
- Developed numerous automations towards deployments, security configurations and upgrades of transactional applications with programmatic approaches such as AWS Lambdas (Python and NodeJs), Bash scripting, Pipeline tasks, AWS Cloudformation and Packer.
- Elaborated multiple bootcamps and projects for 200+ colleagues related to AWS, DevOps and IBM products (WAS, MQ, OpenLiberty).

DevOps Engineer (PRAGMA, Colombia)

(2021)

DevOps Engineer provider/consultant for “Journey to the Cloud Projects”.

- Created the CI/CD design of 3 Cloud Infrastructure projects, with application and DB pipelines on Azure DevOps, for enterprise cloud deployments (mainly AWS).
- Improved deployment times and efficiencies up to 90% by developing reusable Infrastructure as Code templates for AWS cloud architectures with tools such as CloudFormation, Terraform and Packer.
- Supported the process of various migrations to the cloud, transforming 3 legacy applications, to cloud-native technologies and DevOps practices in an automated and highly available schema.

Software Engineer Intern (PRAGMA, Colombia)

(2021)

Internship as a Software Engineer with emphasis in spreading/sharing the best DevSecOps practices.

- Developed 1 core learning path with 4 Docker projects for teaching DevOps in “PRAGMA Academy”, which is an inner company learning site that has been used by more than 1000 developers.
- Assisted in the development of robust projects with microservices architecture, Docker/Kubernetes approaches and cloud-native technologies.
- Supported in the design of CI/CD pipelines for internal and external projects with tools like Jenkins, Azure Pipelines, AWS CodePipeline.

EDUCATION

IMF Smart Education (Rank top 15 in Spain)

2022-2024 (expected)

M.S. Cybersecurity (CyberSOC Deloitte)

Selected Courses:

- Cyber Intelligence, Secure Software Development, SIEM Technology, Reverse Engineering, Ethical Hacking.

EIA University (Rank top 5 for Engineering in Colombia)

2017 - 2021

B.S. Mechatronics Engineering | GPA: 4.73 / 5.0

Selected Courses:

- Digital Control of Dynamic Systems, Numerical Modeling and Simulations, IoT, Signals and Systems, Industrial Robotics, Intelligent Systems, Networking and Communications, Electronics and Microcontrollers, Computer Vision.

Awards:

- Honorable Mention for Highest GPA of all University in graduation ceremony [dec 2021] (MAGNA CUM LAUDE).
- Public Award for the final project named “Assisted Robotics For Feeding Individuals with Upper Limb Disabilities” in Mechatronics Engineering Degree.
- 5 times Honor Roll for Academic Excellence (Best GPA of Mechatronics Engineering Cohort).

RELEVANT CERTIFICATIONS

To see details of my courses and certifications, go to: [LINK_TO_CERTIFICATES](#)

- AWS Certified Developer – Associate
- AWS Certified Cloud Practitioner
- Enterprise Design Thinking Practitioner

LEADERSHIP

- YouTube Channel: “Santiago Garcia Arango Tech”

(2019 - present)

 - Creator of a DevOps YouTube channel for transferring top tech technologies for Spanish audiences (500+ subs) .
- AWS Community Builder

(2023 - present)

 - Selected as an AWS technical enthusiast CB because of content related to my GitHub repositories and YouTube channel .
- Object-Oriented-Programming Research Group in EIA University

(2019 - 2021)

 - Lead student for Clean-Code development, Github implementation and Python PEP Standards.
 - Worked in the development of modules for pattern recognitions in Colombian license plates using OpenCV.
- Raspberry Pi Research Group in EIA University

(2019 - 2020)

 - Designed an agriculture system for variable monitoring using DHT sensor, Raspberry Pi and a custom Flask-server.
- Assistant tutor for editorial research in EIA University

(2018 - 2021)

 - Coached more than 60 students to structure academic thesis and writing projects with investigation standards.

AWARDS

- Honorable Mention for Highest GPA at EIA University in graduation ceremony (MAGNA CUM LAUDE). (2021)
- Top 10 teams in leaderboard for Local Hack Day at Major League Hacking event [ESTechies] (2021)
- Top 50 most active GitHub users in Colombia. (2020-2021)

TECHNICAL TOOLS

- Coding Languages:
- Python, JavaScript, Golang, TypeScript, Java, Bash Scripting, MATLAB, HTML, CSS, C, Arduino.
- Technical:
- Git, Docker, AWS, Terraform, CDK, Jenkins, Kubernetes, Linux Distributions, SonarQube, Azure DevOps, IBM WAS, IBM MQ, Packer, SQL, No-SQL, MetaSploit, Wireshark, Netcat, IoT, Simulink, LaTeX.
- Design/Strategies/Patterns:
- TDD, OWASP, Serverless, Event Driven Architectures, Agile-Scrum, Pair Programming, Clean Code, Static Code Analysis, DAST, SAST.

COMMUNITY PROJECTS

- Baxter-Bon-Appetit Robotic Solution for Impaired Patients

(2021)

Assistive robotic solution/framework for feeding individuals with upper limb disabilities autonomously.

 - Developed from scratch the Robotic Algorithms, the Control Strategies and the Computer Vision requirements based on theoretical and experimental top-technology research with Baxter Robot.
 - Integrated the Sub-Systems with Microservices approach with a Python-based ROS architecture that enhanced the system to be robust and fault-tolerant.
 - Algorithms and Frameworks are Open Source and implemented not only a TDD approach, but were also designed with a rigorous documentation for replicating the project in similar robots of 3+ DOF.
- Volunteer Mathematics Teacher for a Colombian Foundation

(2021)

Assisted as a high-school level mathematics professor helping children that suffered from domestic violence.

 - Designed lectures that helped pass 5+ students who had learning issues due to violence and lack of interest.
 - Created didactic mechanisms and long-term solutions that improved student success rates in math class.

VARIOUS

- Activities
- Piano: Adapted different rhythms to tropical Latin-American songs. I love mathematics and the science of music.
 - I like to juggle, listen to audio-boks and to do magic tricks.
- Sports
- Table Tennis and Squash. Top 2 in state for Table Tennis (2012). Top 5 in city for Squash (2015).
 - I enjoy jogging and cycling on a weekly basis.