

Pedro Nicanor Duque

DevOps & Fullstack Engineer | GCP/GKE | Spring Boot + Angular | CI/CD Automation

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Bachelor's degree in Computer Engineering
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About

Bilingual DevOps and Fullstack Engineer with **12+ years** of experience, including **5+ years remote at Home Depot USA**. I design CI/CD pipelines, orchestrate Kubernetes clusters on GCP, and build full-stack applications with Spring Boot and Angular.

I'm also certified as a Scrum Master and experienced in OpenShift, Concourse, JFrog, Git, and Linux/Unix environments. I'm passionate about reliability, automation, and secure software delivery. I actively worked with GCP(Google Cloud Platform), SpringBoot Framework, Angular and GCP PubSub for message consumption and share information across the applications.

Core strengths:

- CI/CD: GitHub Actions, Jenkins, Concourse CI/CD
- Cloud: GCP, GKE, Google Pub/Sub, Docker, JFrog, OpenShift
- Backend: Java 11/17, Spring Boot, GraphQL, REST APIs
- Frontend: Angular, TypeScript, React, Cypress
- Observability: Grafana, BigQuery, Prometheus, Datadog, Alertmanager
- Security: SonarQube, ShiftLeft, Invicti, Trivy, Snyk, CycloneDX, Dependency-Track
- Automation: Ansible, Python, Linux Shell, Terraform

Languages

- **Spanish:** Native (C2) - Born and raised, fully fluent
- **English:** Professional working proficiency (C1) – 5+ years of remote work with US teams. Daily communication, documentation, and meetings in English.

Employment history

From
03/2025
To
03/2026

HomeDepot USA, Atos - Remote

DevOps – Software Engineer – Pathing Team

Working as a **DevOps – Software Engineer** for Homedepot, I actively worked in the following tasks:

Implemented an observability platform using Prometheus, Grafana and Alertmanager alerts and dashboards across microservice applications and infrastructure to improve service visibility and incident diagnosis.

Design and maintain end-to-end delivery pipelines using GitHub Actions to automate CI/CD workflows, while managing version control and deployment coordination through Git.

Implementation of quality and security gates, integrating into the GitHub Actions using SonarQube, Trivy, Snyk, CycloneDX, Dependency-Track to identify code vulnerabilities, open-source supply chain risks early in the SDLC.

I orchestrate containerized applications on Google Kubernetes Engine (GKE) with a focus on scaling, reliability, and rolling deployments. I worked with CLI for monitoring and debug issues on the deployments, services, secrets, maps and logs. Creation of service accounts to use from the deployment in GCP to grant access into Jfrog, Docker, Git and GitHub actions.

I used Prometheus to monitoring and create alerts for endpoints deployed to GKE in GCP, working with the information stored in it I created new Grafana dashboards based for CPU, Mem and response time for microservices. I added new tags in the source code for microservices and retrieve those tags from Grafana to create new dashboards based on those new tags, to monitoring and alerting for any possible issue from the endpoints.

My responsibilities extend to infrastructure observability—leveraging BigQuery for log analysis and Grafana for real-time latency dashboards—while enforcing code quality and security through ShiftLeft, Invicti integrations and SonarQube within the pipeline.

I also contribute to backend development with Spring Boot (Java 11/17) with Gradle, building GraphQL endpoints for efficient data retrieval, and support full-stack delivery by deploying React applications to GCP.

To ensure release integrity, I implement comprehensive test automation using Cucumber for BDD and JUnit for unit testing, embedding quality gates at every stage of the deployment lifecycle.

We worked in a Scrum based management team, within a two week period to release new functionalities, for visibility and traceability we pick up new tickets from Jira dashboard in the team.

From
09/2021
To
02/2025

HomeDepot USA, Atos - Remote

DevOps – Application Developer – RoutePlanner Team

Working as a **DevOps – Application Developer** for Homedepot, I actively participate in the following tasks:

I focus on automating infrastructure and application workflows across hybrid environments—using Ansible to execute parallel commands on Linux and Windows servers.

I worked in the implementation and maintaining of Concourse pipelines to deploy micro services to Pivotal Cloud Foundry (PCF) on premise in the HomeDepot servers.

I made the migration process from Concourse pipelines to GitHub Actions pipelines from scratch, I enabled the features in GitHub to start working with it for every repository in the team, I created all the service accounts, secrets and maps required to start running from GitHub Actions. I implemented the steps and validations from the pipeline to connect from GitHub Actions to GKE(Google Kubernetes Engine) and deploy the new application.

I used Prometheus to monitoring and create alerts for endpoints deployed to GKE in GCP, working with the information stored in it I created new Grafana dashboards based for CPU, Mem and response time for microservices. I added new tags in the source code for microservices and retrieve those tags from Grafana to create new dashboards based on those new tags, to monitoring and alerting for any possible issue from the endpoints.

To ensure platform observability I build Grafana dashboards to monitor latency and performance issues. I integrate security and code quality into every stage of the pipeline through SonarQube, ShiftLeft, and Invisio for static analysis and vulnerability scanning.

I manage the build and deployment lifecycle with Java 11/17, Spring Boot, Gradle, Docker, and jFrog, while also implementing a custom authentication and authorization module (THD-Identity) to secure backend endpoints with bearer tokens for all the application in the team.

Omnitracs de México – Remote – Now Solera

Software Engineer II - Fullstack

From
09/2020
To
07/2021

Creation of Frontend and Backend microservices to add new functionalities based on the Omnitrac requirements from the Product Owner.

Frontend –

Creation of new microservices with Angular Framework as a base, then I added new libraries using the npm tool, to apply CSS styles I use Sass (Syntactically Awesome Style Sheets), additionally we add angular forms, angular material among other tools to achieve the goal. As a CSS Framework I uses Bulma to speed up the release time of the SAP(Single Page Application) application.

For testing I use Cypress Automation tool to run End-to-end tests, Integration tests and Unit tests.

Backend –

Creation of new microservices with Spring Boot Framework as a base, then I added new libraries using the mvn(Maven) tool to manage the dependencies, with maven we create and package the microservice to deploy and run in the infrastructure side. As a repository we use PostgreSQL DB to store and retrieve information.

To test the development, I use Cucumber to create Feature files to run against the code and validate if this development was made correctly according to the acceptance criteria.

These microservices were deployed in Openshift Cluster using Jenkins Pipelines, to install dependencies, run tests, to run the microservices I used a Kubernetes infrastructure using Docker Images for every microservice, for the Frontend and the Backend.

From
08/2019
To
09/2020

BBVA – Bancomer Polanco's Parks

Java Developer, Back-End and Front-End systems optimization using DevOps tools

Analyze and propose optimal solutions to incidents reported on the web portals of <https://www.bbva.com.mx/> BBVA for any person and medium sized business.

I worked with DevOps tools like Git, BitBucket, Jenkins and SonarQube to development and fix production's issues, we also use tools like Spring Tool Suite, Java, HTML5, CSS3 and JavaScript, besides we have interaction with other areas of the Bank to solve

problems presented in productive environments.

For the visibility and transparency, we use the Kanban Framework dashboard to show up the work done and the next tasks.

For deploying the new changes I used Application Web Servers like Tomcat 7, Tomcat 8 and Pivotal 4.

BBVA – Bancomer Polanco's Parks

From
06/2019
To
08/2019

Java Developer, optimization and improve the Front End at the compliance area in BBVA

Develop improvements on the web portal, adding new modifications required by the client, in order to have a more fluid web system I added new functionalities for loading data from databases and pass to user interface. I used development tools like SpringBlue

Development, improvements and optimizations in the web project owned of BBVA.

BBVA – Bancomer Polanco's Parks

From
09/2018
To
06/2019

Java, Python y Linux Shell developer

I made analysis and development activities to integrate the calculation of the new value in square meters for each of the guarantees on mortgage loans for BBVA Mexico.

Analyze and design of the solution proposed by the guarantees area.

- Development and testing of components made in Java, Python y Linux Shell.
- Development of Script modules for Linux Shell.
- Integration with ETL tool to make python calculations.
- Program meshes in the Control-M system, a mesh is a set of process that run weekly, monthly that are configured in the Control M system.
- Shells development to transmit files from CBNOC and Unix/Linux systems

Generation of user manuals for delegating our development integrated to the productive environment.

TELCEL - Radiomovil Dipsa S.A. de C.V.

From
02/2014
To
08/2018

Web Systems and Engineering Analyst

Responsibilities

Developed of web applications Spring MVC and Struts 2.

Develop of responsive web applications using HTML5, CSS3, jQuery, JavaScript and Bootstrap 4 following the pattern Mobile-First Responsive Web Design and Mobile First designe.

Web Servers used IBM WebSphere Application Server 7.5, IBM WebSphere Application Server 8.5 and Apache Tomcat 7. IBM Rational Application Developer 7.5 and 8.5 for development.

Provisioning protocol for users SPML2.

LDAP protocol over SUN Directory Server Enterprise Edition, Oracle Unified Directory y OpenLDAP

Databases:

- Oracle 11g y Oracle 12c. Oracle JDBC.
- IBM Informix Dynamic Server 11. Informix JDBC. Operating Systems like Unix and Linux. Operating Systems Windows. GNU/Linux distributions. Elastic Stack.

Docker. Ansible.

Texts Composite system LaTeX

Education

2013

Bachelor's degree in Computer Engineering
Embedded systems profile
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