

Andres Montero Duran

Software Engineer

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San José, Costa Rica

Experienced Software Engineer with Python proficiency in Django, Flask, Pyramid, and front-end technologies (React, Vue, Angular). Skilled in AWS, GCP, Agile, Unix, and testing. Aiming to innovate in cloud computing.

Professional Experience

ImagineX, Costa Rica

Apr 2024

Senior Software Engineer

- Resolved issues and implemented fixes.
- Provided support to other developers.
- Constant communication with different teams.
- Ensured code quality and adherence to best practices through code reviews.
- Implemented functionality to define a multipath system that allows their customers to choose if want to use their own AWS account to perform some actions and store data or a shared one.
- In charge of maintain the service of the analytics generation sources for the customers.
- Developed and integrated UI components that interact with the User Management Service to display user information and stats.
- Updated Python workflows to use versioned ECR images for the two major Python versions currently supported by our systems.
- Utilized different SAST tools (Veracode, CodeQL, SonarQube) for vulnerability discovery and resolution.

Used programming languages, markup languages, third party software, and libraries: Python, FastAPI, React, HTML, JavaScript, CSS, PostgreSQL, Github Actions, PyCharm, VisualStudio Code, Pytest, AWS.

FusionHit, Costa Rica

Jul 2023 – Mar 2024

Senior Software Engineer

- Resolved issues and implemented fixes.
- Provided support to other developers.
- Constant communication with different teams.
- Ensured code quality and best practices with code reviews.
- Added new functionalities into a platform that uses Svelte + Firebase
- Worked on new features that allow our main app to display metrics from scraped data through an ETL process.
- Implementing new endpoints.
- Developing new features using Python + Airflow to schedule determined tasks that need to run in chunks.
- AWS Services such as EC2, S3, Lambda Functions, Secrets, Amplify
- Upgraded and refactored the main application that runs in React 16 to React 18 + Next.js as the other libraries as well.

- Implemented Github Actions to automatic deployments in the QA and Prod env for the FE in the main app repository.
- Creation of different types of alerts in DataDog to track and prevent the failure of scraping processes.

Used programming languages, markup languages, third party software, and libraries: Python, Flask, Svelte, React, HTML, JavaScript, CSS, MySQL, PostgreSQL, RedshiftDB, Github Actions, PyCharm, VisualStudio Code, Pytest, AWS, Datadog.

BEON, Buenos Aires

May 2022 — Jul 2023

Senior Software Engineer

- Resolved issues and implemented fixes.
- Scrum Master responsible for all the scrum meeting as daily stand up, sprint plannings, sprint retrospectives, demos.
- Provided support to other developers.
- Constant communication with different teams and clients.
- Ensured code quality and best practices with code reviews, also using Unit Tests and Automation Tests.
- Worked on integrations with third-party applications.
- Implementing new endpoints, transformations, and reports.
- Provide code review feedback.
- Developing new features using Flask in the different Restful services.
- Created and improved ETL processes to extract information from large document files of up-to 100Gb of data.
- GCP Services such as Kubernetes, BigQuery, Storage
- Developed and improved existing MongoDB queries using aggregation instead object representative from Mongoengine.

Growth Acceleration Partners, Granadilla

June 2020 — May 2022

Advanced Software Engineer

- Resolved issues and implemented fixes.
- Generated databases reports.
- Participated in scrum meetings, such as daily stand up, sprint plannings, sprint retrospectives, demos.
- Provided support to other developers teams.
- Constant communication with teams and clients.
- Ensured code quality and best practices with code reviews, also using Unit Tests and Automation Tests.
- Worked on multiple integrations with third-party applications.
- Implementing new endpoints, transformations, and reports.
- Provide code review feedback.
- Developing new features using Python with AWS SAM.
- Develop new modules for People App Project.
- Researched and implemented best practices and third-party services to integrate with a project called People App.
- Tech lead and responsible for creating a project to manage the generation of legal documents using Flask.
- Developing new features using Python, Django, Django Rest in the main Restful service.
- Develop new interfaces for small modules and pages using Vue Migration of dependencies for the Back-End and Front-End.
- In charge of OCR Project for ETL using data from PDF and images to then save it to our main DB.

Used programming languages, markup languages, third party software, and libraries: Python, HTML, JavaScript, CSS, Chalice,

MySQL, Workbench, WeasyPrint (for report generation), PyCharm, VisualStudio Code, FlyWay (for migrations tracking in our database), SQLAlchemy as ORM, Marshmallow (to define requests and responses schemas for different endpoints), AWS Suite, Serverless Application Model, Secrets Manager, DynamoDB, Lambda Functions, React, Cognito, Google Sign-in, API Gateway.

GPS Hiring, Turrialba
Python Developer

April 2018 — April 2020

- Developing new features using PHP with Laravel and CodeIgniter.
- Resolved issues and implemented fixes within all existing platforms.
- Constant communication with many teams to define guidelines to implement new features.
- - Ensure code quality and best practices with code reviews.
- - Work on systems integration with third-party applications. Implementing new endpoints, transformations, and reports.

Used programming languages, markup languages, third-party software, and libraries: PHP, CodeIgniter, Laravel, HTML, JavaScript, jQuery, CSS, MySQL, Workbench, SublimeText, Slipstream

NIC Costa Rica, San José
Web Developer

May 2015 — February 2018

- Created a new public website and internal administration using Python with Django.
- Developed landing pages using PHP with Laravel for marketing purposes.
- Resolved issues and implemented fixes for our existing platforms. Participate in scrum meetings, such as daily Stand Up, sprint plannings, and demos.
- Constant communication with our whole team to define functionalities in our new administration site.
- Constant communication with clients to bring support and solve engineering issues at the website level.
- Ensure code quality and best practices with code reviews, also using unit testing and automation tests.
- Worked with many different third-party applications to integrate their services into our platform.
- Implemented new endpoints, transformations, and reports.

Used programming languages, markup languages, third-party software, and libraries: Python, Django, HTML, JavaScript, jQuery, CSS, MySQL, PostgreSQL, Workbench, Fred CDK (from internal tool called Fred to handle all this logic to manage domains), Sublime Text, PHP, Laravel, Jenkins

Education

Bachelor of Engineering Technology
UAM, San José

Diploma
INA, San José