



Camilo Andrés Frontado Escobar

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### Personal Information

Date of birth : 24 January 1995  
Place of birth : Bogotá, Cundinamarca

### TECHNICAL SKILLS

I am a Senior Software Engineer with solid experience across backend and frontend development, as well as Artificial Intelligence and Data Science. My core expertise includes Java and JavaScript ecosystems, working with frameworks such as Spring, Quarkus, J2EE, Node.js (Express, Next.js), Angular, and React. I have designed and maintained microservices architectures, implemented clean code practices, and built scalable applications using relational and NoSQL databases including PostgreSQL, MySQL, Oracle, SQL Server, and MongoDB. I also have strong experience with DevOps practices, CI/CD pipelines, containerization with Docker, Kubernetes basics, and cloud platforms such as AWS, Azure, Heroku, Netlify, Render, and Railway.

In the field of Data Science and Artificial Intelligence, I work primarily with Python and libraries such as NumPy, Pandas, Scikit-Learn, TensorFlow, PyTorch, and Keras. My experience includes machine learning model development, hyperparameter tuning, cross-validation, predictive modeling, NLP, and time-series analysis. I have worked with AWS SageMaker for model training, deployment, and monitoring, as well as Google Colab for experimentation and prototyping. Additionally, I have experience integrating third-party platforms and services such as Stripe, PayU, PSE, HubSpot, JasperReports, Bonita BPMN, and Alfresco, following Agile methodologies (Scrum) and maintaining high code quality through testing and static analysis tools.

## PERSONAL SKILLS

Proactive, committed, and highly adaptable, with a strong analytical mindset. Organized and punctual, with the ability to add value both technically and strategically. Self-taught and continuously learning, always seeking innovation and optimizing processes. Effective in teamwork and leadership roles, capable of driving AI initiatives and collaborating across multidisciplinary teams to achieve objectives efficiently. Focused on delivering high-quality solutions that meet business needs while maintaining a strong ethical and respectful approach.

## ACADEMIC TRAINING

University	Studies:	UNIVERSITAT POLITÉCNICA DE CATALUNYA
		 The logo of the Universitat Politècnica de Catalunya (UPC) features a blue circle containing a grid of nine white dots arranged in three rows of three. Below the dots, the letters "UPC" are written in a bold, sans-serif font.
		Master in Artificial Intelligence 2023 - 2025
University	Studies:	UNIVERSIDAD DISTRITAL FRANCISCO JOSE DE CALDAS
		 The logo of the Universidad Distrital Francisco José de Caldas consists of a green shield with a yellow border. Inside the shield, there is a sunburst at the top, a central figure, and four quadrants with different symbols. Below the shield is a banner with text in Spanish.
University	Studies:	UNIVERSIDAD DISTRITAL FRANCISCO JOSE DE CALDAS Technologist in Data Systematization
		 The logo of the Universidad Distrital Francisco José de Caldas, identical to the one in the previous row but smaller.

## CERTIFICATIONS

- Machine Learning Engineer - associate  
BY: AWS  
ID: 522313025



- Java SE 8 Programmer I  
BY: Oracle  
ID: 355967705



- Scrum Master  
BY: Scrum Institute ID:  
68302015697583



- Azure Administrator  
BY: Microsoft  
ID: 379852223



- General English B2 BY:  
ACE English Malta



## WORK EXPERIENCE

Growin  
Senior Full stack Developer

Siemens project:

FUNCTIONS:

- Understanding client requirements and proposing possible technical solutions to meet the needs.
- Creating Pipelines in Jenkins and Groovy language to run OWASP check over the in CI/CD process.
- Creating vulnerabilities report in Python
- Pointing technical tasks and managing their state under Scrum methodology using Jira to show the workflow and state of the project to the team.
- Implementing and improving the front-end using Angular 19 framework and scss styles.
- Integrating front-end functionalities with back-end services.
- Creating Rest-full micro-services using spring framework under Java 17, keeping good development practices, implementing appropriate patterns.
- Managing code versioning using Git.

START: 11/03/ 2024 – Current

CI&T  
Senior Full stack Developer

Princeton project:

Working for Norfolk Southern Railway a United States Class I railroad company, developing from the scratch an internal logistic web application to manage train operations, routes, station and terminal.

FUNCTIONS:

- Understanding client requirements and proposing possible technical solutions to meet the needs.
- Pointing technical tasks and managing their state under Scrum methodology using Jira to show the workflow and state of the project to the team.
- Implementing and improving the front-end prototype created by the BIs, adapting it with material UI components into micro front-end architecture under Angular 14 framework and scss styles.
- Developing functionalities to allow the client to interact with the screen in the most comfortable way, keeping development good practices, and front-end unit test coverage over 85.5%.
- Integrating front-end functionalities with back-end services.
- Creating Rest-full micro-services using spring framework under Java 17, keeping good development practices, implementing appropriate patterns and keeping over 85.5% of code coverage.
- Integrating Rest services with SOAP services of the client and saving application data in PostgreSQL databases.
- Managing code versioning using Git.
- Participating and Scrum ceremonies such as sprint review showing to the client the progress over the sprint and explaining each new functionality developed in front-end and back-end area.

START: 01/11/2022 – 15/11/2023

Globant

Web UI Developer

**FUNCTIONS:**

- Creating React-JS features for clients related to businesses such as movies, food, and plant stores; using different React technologies.
- Participating in Scrum ceremonies with the client and team for planning strategies, creating commitments and presenting the result of the iteration and creating feedback for continuous improving.
- Implementing appropriate technologies frameworks and patterns over React such as Next-JS, React hooks, Redux, Material UI, and Bootstrap.

START: 02/02/ 2022 – 31/08/2022

Intergrupo S.A.S

Senior Development Engineer

**FUNCTIONS:**

**XM Project:**

- Front-end Angular developer, Micro-frontend, Unit-test, SCSS, Bootstrap, Material, Scrum, Azure, Generic component Design under the highest coding standards measured by SonarQube.
- Consuming and testing API from .net framework using Postman and swagger, creating web interfaces and logic in Typescript to show and manipulate the information in the presentation layer.
- Management of code versioning using Git.
- Implementing unit-tests to each feature developed using Karma and Jasmine technologies making 80% of testing coverage in the application.

**Postobon project:**

- Senior developer in charge of supporting the efficient and effective planning of the project, defining and creating front-end architecture adapted to the template in fuseAngular 11, under reactive forms, material-UI, clean code, unit tests and reusable components.
- Participating in the Scrum ceremonies with the client and team for planning strategies, creating commitments and presenting the result of the iteration and creating feedbacks for continuous improving.
- Implementing unit-test to each feature developed using Karma and Jasmine technologies making 80% of testing coverage in the application.

#### EPM Project:

- Senior Front-end Angular developer, consolidating new work teams into EPM creating initial front-end architecture and working for two sprints to continue with another work front.
- Developing the most complex requirements and training coworkers about Angular technology in any area.
- Creating official documentation to the company for unit testing in Angular technology covering the most common testing scenarios in a web application using Karma and Jasmine.
- Using Azure DevOps solutions to manage the backlog, execute development task and managing bugs as well as deploy the solution in the different environments using continuous integration pipes.

#### Personal Resources Project:

- Fullstack development engineer for Intergroup resource management system under Jhipster technology (Java, Angular 8).
- Defining database structure using Liquibase technology, working closely with the architect to design the data model using MySQL as the database.
- Designing and implementing the style view of the application using Bootstrap technology and SCSS.
- Management of code versioning using Git.

#### Porvenir Project:

- Temporary position to support company strategy covering a Backend Liferay position.
- Training a developer to support Porvenir applications under Scrum methodology, Liferay 7.0, Liferay MVC portlet, JSP, MySQL.
- Managing tickets in Mantis application to fix errors of different products and adding new functionalities to them.
- Management of code versioning using Git.

**CVU Project:**

- Researching and development of Java web portal on Liferay 7.1 back-end and front-end cooperation and consolidation of an appropriate Java EE architecture, Liferay and Front-end structure using Angular 6.
- Developing Responsive application implementing media queries and working closely with the UX designer.
- Implementation of service builder, free marker, angular 6, MVC portlet, Rest Services, bootstrap, typescript, layouts, Themes, DevOps, and Scrum.
- Participating in the Scrum ceremonies with the client and team for planning strategies, creating commitments and present the result of the iteration as well as getting and create feedback for continuous improving of the Scrum team.
- Designing API Rest and documentation of it using Swagger and implementing OAuth2 framework for authentication and authorization of the resources.
- Management of code versioning using Git.

START: 10/01/ 2018 – 01/02/2022

**Cifin/TransUnion**

Developer Engineer

**FUNCTIONS:**

- Developing web services Soap and web systems with JAVA, PL/SQL, and ORACLE database of commercial and legal information for banking and credit entities.
- Creating end-user and technical documentation by each developed feature, making tutorials, supporting and deploying documents as well as a complete description of the application using UML diagrams.
- Management of code versioning using TortoiseSVN.
- Innovating informatic processes for the optimization of processing, and support for web application of banking entities deploying the solutions on Oracle WebLogic server and working closely with the QA team for testing every functionality and create the appropriate documentation.
- Develop models of use cases, classes, data, processes, training for end users and unit tests.

IMMEDIATE HEAD: Ing. Jhon Alexander Acevedo – 3004468935

START: 10/07/2017 – 26/10/2018

**Cesti SAS**

Architect-Developer

## FUNCTIONS:

- Establishing Oracle technologies for the migration of the RNFL portal initially developed in PHP and MySQL to Java EE with JSF and Oracle 12C database.
- Creating documentation about supporting, describing architecture, and user manual for all the functionalities in the application.
- Database migration to Oracle 12C, PL/SQL, Maven, JEE, Primeface and Bootsfaces, on server WebLogic.

Cristian Fernando Alvarez Bolaños– 3118039851

START: 13/12/2017 -16/06/2018

**Colsin S.A.S Developer**

Junior Developer

## FUNCTIONS:

- The technical skills implemented in this project were back-end java/java web (EJB, JPA, ZK Maven; integration with Liferay, Alfresco, Bonita BPMN, subversion, TortoiseSVN), Postgres SQL, and MySQL; Jboss server, application language internationalization, development with process integration in BPMN Handing of gates processes and Tasks from business structure.
- Development of software quality controlled by SonarQube.
- Working over JEE using hibernate for JPA using different databases like PostgreSQL for production and MySQL for development environments as well as planning and tasking every development feature with the team and connecting closely every form with Bonita BPM through and API to track the flow of the application.
- Using Jira for bug fixing and code quality.

IMMEDIATE HEAD: Ing. Jhonnatan Rincon – 311 242 65 04

START: 11/07/2016 – 27/04/2017