Andrés Felipe Carrillo Rodríguez

Software Developer & International Business Professional

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ABOUT ME

Driven and resourceful Software Developer with a solid background in International Business Administration. Recently completed studies in Mechatronic Engineering and currently awaiting graduation, combining analytical and technical skills to develop innovative solutions. Skilled at collaborating with cross-functional teams and stakeholders to achieve organizational goals. Passionate about leveraging emerging technologies, automation, and data analysis to optimize business processes.

Experienced in designing and implementing solutions that modernize DevOps workflows, integrating automation and Infrastructure as Code to accelerate and improve software delivery processes.

Proficient in developing end-to-end applications using .NET, Node.js, and AWS services for microservice architectures. Highly adaptable, detail-oriented, and proactive in acquiring new competencies. Ready to embrace challenging projects that foster continuous learning and deliver impactful results.

SKILLS

Architecture

- REST Architecture (High, 3 yrs)
- Client-Server Architecture (High, 3 yrs)
- Microservices Architecture (High, 2 yrs)
- Modular Architecture (High, 2 yrs)
- Layered Architecture (High, 2 yrs)

Databases

- Amazon Aurora (High, 2 yrs)
- Microsoft SQL (High, 6 yrs)

DevOps

- Azure DevOps (Basic, 2 yrs)
- GIT (Basic, 2 yrs)

ERP

- Odoo (Medium, 2 yrs)
- SAP (Basic, <1 yrs)

Business Tools

- Excel (Advanced, 6 yrs)

Development Tools

- ASP.NET (Basic, 2 yrs)
- Docker (Basic, <1 yrs)
- Express (Medium, 2 yrs)
- Node.js (Medium, 2 yrs)

ETL Tools

- SQL Server Integration Services (SSIS) (Advanced, 6 yrs)

Testing Tools

- Postman (Medium, 3 yrs)

Programming Languages

- C# (Medium, 2 yrs)
- SQL (Advanced, 6 yrs)
- VBA (Advanced, 6 yrs)
- TypeScript (Medium, 2 yrs)
- JSON (Advanced, 4 yrs)

Frameworks & Methodologies

- Scrum (Basic, 3 yrs)

Cloud Services (AWS)

- AWS Lambda (Basic, 2 yrs)
- Amazon CloudWatch (Basic, 2 yrs)
- Amazon API Gateway (Basic, 2 yrs)
- Amazon S3 (Basic, 2 yrs)
- Amazon RDS (Basic, 2 yrs)
- AWS CloudFormation (Basic, 1 yrs)

PROFESSIONAL EXPERIENCE

Developer - Tata Consultancy Services, Bogotá, Colombia

08/03/22 - 19/08/25

- Provided outsourcing services to Banistmo Bank for Payment Media projects, focusing on SQL Server and ETL optimization
- Developed an Infrastructure as Code (IaC) solution with YAML for a new payments application
- Designed and administered a relational database model, including initial data insertion and queries
- Implemented Node.js modules with a dependency inversion architecture, leveraging Sequelize as an ORM
- Designed a full-stack application to streamline DevOps processes, automating deployment pipelines and infrastructure provisioning

Developer Engineer - Toyota Financial Services, Bogotá, Colombia

01/06/20 - 08/03/22

- Managed a mission-critical database for a core application, ensuring performance and data integrity

- Developed solutions in PHP and .NET C# based on existing business data
- Created reporting modules by writing complex queries and stored procedures consumed by .NET/PHP layers
- Built Excel automations (VBA) to streamline tasks across various organizational units

Developer Engineer - GML Software, Bogotá, Colombia

15/02/19 - 31/05/20

- Provided outsourcing services for Toyota Financial Services, mirroring responsibilities from the in-house role
- Maintained SQL Server databases and developed front-end solutions (HTML, CSS, JS, Bootstrap)
- Created back-end services using .NET C#, PHP, and T-SQL
- Automated reporting with on-demand data retrieval and Excel (VBA)

Financial Consulting Outsourcing - Digiware de Colombia, Bogotá, Colombia

07/02/18 - 15/05/19

- Developed a financial model in VBA Excel to assess project viability, factoring in cash flow and time-value-of-money
- Offered ERP (Odoo) implementation consulting to optimize business processes

Outsourcing - Ministerio de Justicia y del Derecho, Bogotá, Colombia

15/01/17 - 31/12/17

- Created a document management model for automated correspondence control using Excel VBA macros

Intern (Undergraduate Practice) - Fundación aeioTU Carulla, Bogotá, Colombia

01/07/16 - 30/12/16

- Oversaw the purchasing module in SAP as part of an undergraduate internship requirement
- Collaborated with cross-functional teams to streamline procurement processes

EDUCATION

Bachelor's Degree in Mechatronic Engineering (In Progress)

Universidad ECCI, Bogotá, Colombia - 2019 - Current

- Awarded first place in the 2023 engineering fair with a digital queue management system built using Node.js, MySQL, and PM2, applying SOLID principles and a dependency inversion architecture
- Served as a student representative, promoting academic improvements and effective communication among peers

Associate Degree in Industrial Automation and Robotics

Universidad ECCI, Bogotá, Colombia - 2019 - 2024

- Awarded first place in a 2019 technology fair for creating a home automation prototype integrating an Arduino (C code) and a mobile app built with MIT App Inventor. The system utilized a Bluetooth module in slave mode to control LED lighting, blinds, and doors
- Gained hands-on practice in robotics, automated systems, and electronic control

Bachelor's Degree in International Business Administration

Fundación Universitaria Konrad Lorenz, Bogotá, Colombia - 2012 - 2016

- Represented the university at the 2015 EAFIT National International Business Olympics in Medellín
- Served as a student representative, collaborating with academic authorities to improve student engagement

CERTIFICACIONES

Learning Amazon Web Services (AWS) for Developers (2020)

LinkedIn Learning - Aug 14, 2025

- Duration: 1 hour 31 minutes
- Top skills covered: Amazon Web Services (AWS)
- Certificate ID: aff480c5b971325ffecd446505d6ed5098f41e6e1840356e1bfa4afa412d0910
- Issued by: Shea Hanson, Head of Learning Content Strategy

AWS Certified Solutions Architect - Associate (SAA-C01) Cert Prep: Databases

LinkedIn Learning - Aug 14, 2025

- Duration: 2 hours 1 minute
- Top skills covered: Database Design, Amazon Web Services (AWS)
- Certificate ID: 9ec624404b7b347104582456a4026924f05f91a50cde986a7de0e2c24c26d1d6
- Issued by: Shea Hanson, Head of Learning Content Strategy

Amazon Web Services (AWS) Certified AI - 5 Certifications

Udemy - Aug 13, 2025

- Length: 54 total hours
- Certificate No: UC-0579fd91-8604-437d-86fc-bd5413f223eb
- Certificate URL: https://ude.my/UC-0579fd91-8604-437d-86fc-bd5413f223eb
- Reference Number: 0004
- Instructors: BackSpace Academy, Paul Coady