# Jorge Cortés

## Software & DevOps Engineer

Bogotá, Colombia · Working remotely · github.com/jcortes

## PROFILE

Systems engineer with 15+ years of experience in backend development, cloud (AWS) and CI/CD. I help companies automate their delivery, move their infrastructure to code and build reliable backends and APIs.

Throughout my career I've worked with international clients and contributed to products that real users rely on: integration platforms, inventory systems, pharmacovigilance platforms and applications for the financial sector.

I believe great software starts with clear communication and honest expectations: when you work with me, you always know where things stand. Great software isn't built alone; it's built together, for everyone.

## EXPERIENCE

### Independent Software & DevOps Engineer

May 2026 – present

Bogotá, Colombia · Remote

- I design and build CI/CD pipelines with GitHub Actions, infrastructure as code on AWS, and custom backends and APIs for clients and companies.
- I built this website as a portfolio piece: a static Astro site with end-to-end tests and continuous delivery through GitHub Actions.

Technologies: GitHub Actions, AWS, Terraform, OpenTofu, Node.js, TypeScript, Astro

### Node.js Developer

Oct 2021 – May 2026

Turing

*Clients: Open-source integration platform · United States*

- Built source and action components for the platform's integrations.
- Created a GitHub Action that walks the dependency tree to check that every modified component had its version bumped.
- Implemented a GitHub workflow that monitors errors across more than 3,000 integrated apps.

Technologies: Node.js, JavaScript, TypeScript, GitHub Actions

### Node.js Developer

Jul 2021 – Sep 2021

White Prompt

*Clients: Codeless test automation platform*

- Delivered new back-end and front-end features for an automated functional testing tool that requires no code.
- Fixed bugs in production, staging and integration environments.

Technologies: TypeScript, NestJS, PostgreSQL, JavaScript, Heroku, Docker

### Node.js Developer

Feb 2020 – Jul 2021

Globant · Colombia

*Clients: Global tool manufacturer · United States*

- Worked on the backend of an inventory system that connects, tracks and customizes tools across job sites.
- Improved tool import and export.
- Implemented the tool registration API for Salesforce and SMS invitations.
- Wrote unit and integration tests, and handled support and bug fixing.

Technologies: Node.js, JavaScript, Salesforce

### Node.js Developer

Jul 2017 – Feb 2020

Belatrix · Colombia

*Clients: Global professional services firm · pharmaceutical sector; Automotive marketing software company; Online video startup*

- Implemented GraphQL endpoints and AWS Lambda functions for a pharmacovigilance platform with an event-driven architecture and centralized data.
- Wrote simple and compound Elasticsearch queries to find duplicate data.
- Implemented uploading videos in several resolutions to OpenShot with multipart HTTP requests, on Node.js, AWS Lambda and Firebase.
- Added validation and unit tests to Node.js microservices on MySQL and AWS (Serverless, Lambda, API Gateway).

Technologies: Node.js, JavaScript, TypeScript, GraphQL, AWS Lambda, API Gateway, RDS PostgreSQL, Elasticsearch, Sequelize, Docker, Firebase, MySQL

### Front-End Developer
Oct 2016 – Jul 2017

United States · Remote

*Clients: Smart-home technology company · United States*

- Built the company's hybrid smart-home app with Angular 2, Ionic 2 and TypeScript, and introduced Redux to the project.
- Implemented the integration between the app and a smart irrigation system, and the automation rules UI.
- Added natural-language descriptions of automation rules to the Node.js and MongoDB cloud API and the client SDK, tested with Mocha.
- Deployed to development, staging and production with the Bamboo continuous integration server.

Technologies: Angular, Ionic, TypeScript, Redux, Node.js, MongoDB, Mocha, Bamboo

### Front-End Developer
Jul 2015 – Oct 2016

Softhouse · Bogotá, Colombia

*Clients: Educational publisher · Colombia*

- Built the interface of an educational platform with AngularJS and Angular Material.
- Developed back-end services with Django REST Framework.
- Migrated the AngularJS application to a hybrid Cordova app to ship it on Android.

Technologies: AngularJS, Angular Material, Django REST Framework, Python, Cordova

### Senior Developer
Sep 2013 – Feb 2015

One IT World · Bogotá, Colombia

*Clients: Financial sector institutions · Colombia*

- Built Java web applications for financial institutions: capital markets, judicial deposits, online payments and a web portal.
- Took part in a bank's migration to a service-oriented architecture (SOA).

Technologies: Java, JSF, RichFaces, JavaScript, SOA

### Senior Developer
Mar 2012 – Sep 2013

ITC · Bogotá, Colombia

*Clients: Trust companies and brokerage firms · Colombia*

- Was part of the implementation team, in charge of the functional and non-functional aspects of the company's web applications.
- Led the build and deployment processes of web and SOA applications on Apache ODE, Oracle WebLogic 11g and Apache Tomcat, with Ant.
- Trained client infrastructure teams on those processes.

Technologies: Java, Oracle WebLogic, Apache ODE, Apache Tomcat, Ant, SOA

### Junior Developer
Feb 2011 – Mar 2012

Indra · Bogotá, Colombia

*Clients: Mobile network operator · Colombia*

- As part of the provisioning team, developed and documented number portability, stolen-phone reporting and unified query projects.
- Developed on a SOA architecture with XML, XPath, XQuery, BPEL, PL/SQL and XSLT.
- Built mediation applications for data and voice billing routes, and Python applications connected to Oracle.

Technologies: SOA, BPEL, XML, XSLT, PL/SQL, Python, Oracle

### Infrastructure Engineer
2009 – 2010

Consulting Net · Bogotá, Colombia

- Installed and configured GNU/Linux servers on IBM System x hardware.
- Managed differential and incremental backups, iptables firewalls, Samba servers and remote workstations over SSH.
- Installed the company's authentication software at a client site.

Technologies: GNU/Linux, iptables, Samba, SSH

**Consultant** 2007

Fundación OLPC · Bogotá, Colombia

- Assessed the installation and setup of four XS servers for schools in Bogotá, Barranquilla and Quibdó, as part of the One Laptop per Child project.

Technologies: GNU/Linux

## SKILLS

**Development:** JavaScript, TypeScript, Node.js, NestJS, Express, GraphQL, Python, Bash, Angular, React, Redux, Sequelize, Mongoose, Mocha, Chai
**Cloud & DevOps:** AWS, AWS Lambda, API Gateway, Fargate, Serverless, Docker, GitHub Actions, Terraform, OpenTofu, CI/CD
**Databases:** PostgreSQL, MySQL, MongoDB, DynamoDB, Neo4j, Elasticsearch
**Tools:** Git, GitHub, GitLab, Bitbucket, Jira, Confluence, GNU/Linux, macOS, Visual Studio Code

## EDUCATION

**Systems Engineering degree**
Universidad Manuela Beltrán · Bogotá, Colombia · 2011

**Diploma in New Technologies in Organizations**
Universidad Manuela Beltrán
ITIL, XML, web services, J2ME, J2EE, SQL Server Integration Services, BPM and project evaluation.

## COURSES AND CERTIFICATIONS

- Oracle Service Oriented Architecture Infrastructure Implementation Certified Expert · Oracle · Certification
- Oracle SOA Suite 11g: Build Composite Applications · Oracle
- Oracle SOA Suite 11g: Essential Concepts · Oracle
- Oracle Fusion Middleware 11g: Build Web Services · Oracle
- AngularJS Engineering · Thinkful
- Microservices: Designing Highly Scalable Systems · Udemy
- Build a Blockchain and a Cryptocurrency from Scratch · Udemy
- Ethereum Blockchain Developer Bootcamp With Solidity · Udemy

## LANGUAGES

Spanish (Native) · English (Intermediate)

*References available upon request*