CARLOS AARÓN BOCANEGRA BUITRÓN

Systems Engineer • Senior .NET Developer • Industrial Integrations & Enterprise Apps

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Professional Summary

Systems Engineer with 13+ years of experience building desktop and web applications on Microsoft/.NET platforms. Strong background in industrial environments (weighing automation, traceability, and equipment control) and public sector projects. Experienced integrating with corporate systems (Oracle, SQL Server, SAP, REST services, TCP/RS-232). Team-oriented, quality-driven, and focused on delivering business value in digital transformation contexts.

Core Skills

- Languages & Frameworks: C#, .NET Framework / .NET 6+/.NET 9, ASP.NET MVC, WinForms, Python, WCF, LINQ, Entity Framework, MediatR.
- Frontend: React (Vite), TypeScript, Styled Components, JavaScript, jQuery, Bootstrap, AngularJS/Angular.
- Databases: SQL Server, Oracle 11g (PL/SQL), Amazon Aurora (PostgreSQL), PostgreSQL.
- Industrial Integrations: weighing equipment (RiceLake 920i), TCP/RS-232 protocols, plant traceability & control.
- Services & Integration: REST, WCF, SAP RFC, API consumption; automated emails & PDF report generation.
- DevOps & Cloud: AWS (Cognito, Lambda, SNS, SQS, SES, S3, ECS, EC2, IAM, VPC, CloudFront, CloudFormation), Jenkins, Octopus, GitHub Actions, Docker, Terraform.
- Tooling: Visual Studio, Git/GitHub, Postman, Node.js/npm, TurboRepo.
- AI Tools: Claude Code, Cursor, ChatGPT

Professional Experience

HatchWorks Technologies — Senior Fullstack Developer

Jan 2021 – Present | Remote

- Member of the Reimagine team; delivered **JobStack 2.0** for TrueBlue with agile methodologies and AWS integrations.
- Conduct technical interviews and contribute to hiring standards and best practices.
- Responsible for the internal developer community; mentor as part of the Buddy Program.
- Part of AI Labs, internal project to develop projects, PoC's and demos or clients. Common stack in AI Labs: Python, Fast API, GCP, React, NextJs, Terraform.

- Lead initiatives for Hatch-Futures Peru (community and growth).
- Supporting legacy app in WinForms during the migration process.
- JobStack 2.0 stack: .NET microservices, Winforms, React micro-frontends, Hangfire, Amazon Aurora (PostgreSQL), PostgreSQL, SCSS, AWS (SNS, SQS), CloudFormation, Docker, Git, Jenkins, Octopus Deploy.

Minsterio de Energía y Minas — Mobile .NET Engineer

September 2025 – November 2025 | (Remote)

- Developed two mobile apps to support Peru's informal-mining formalization plan: a Transfer Registration app to record mineral transport and generate QR codes, and an Enforcement app to scan the QR and persist records to a cloud database.
- Designed the end-to-end traceability workflow for mineral transport, improving oversight and auditability for field inspectors.
- Implemented CI/CD on the ministry's on-premise servers using GitHub Actions (self-hosted runners), automating build, test, and deployment for .NET MAUI and backend services.
- Integrated Oracle-backed services and defined APIs/data models to ensure reliable data capture and synchronization.
- Collaborated with ministry stakeholders to align app functionality with regulatory and fieldinspection requirements.
- Stack: .NET 9, .NET MAUI, Oracle, GitHub Actions, Git.

Grodivo — Software Engineer (Co-Founder)

Aug 2024 – Present | (Remote)

- Co-founded Grodivo and led software development for TAP, a system to measure organizational culture.
- Designed and implemented microservices and web UI; established coding standards and CI/CD pipelines.
- Stack: .NET 9 microservices, React (Vite) + TypeScript, Styled Components, TurboRepo, AWS (Cognito, Lambda, SNS, SQS, SES, S3), MediatR .NET, GitHub Actions.

Jurado Nacional de Elecciones (JNE) — Senior Developer

Aug 2017 – Dic 2020 | Lima, Peru

- Senior .NET developer on the SJE project as part of JNE's digital transformation.
- Designed and implemented modules for electoral management, registration, candidates, authorities, and document archiving.

- Development of a WinForms app to manage scanned documents and, using a library, recognize the barcode to use the value as the filename, upload it to an FTP server to be integrated with a Could service
- Stack: ASP.NET MVC5, WinForms, WCF; Oracle 11g, jQuery, Bootstrap, AngularJS; domain-driven structure.
- System integrations, PDF document handling, inbox workflows; performance and security improvements.

Pesonor S.A.C. — External Web Developer

Nov 2018 – Apr 2020 | Peru

- Developed industrial applications for weighing-services automation and integration with corporate systems.
- Selected clients: Laredo S.A., Casa Grande S.A.; external consultant.
- Stack: .NET Framework, Oracle 11g, SQL Server, WinForms; TCP and RS-232 integrations with industrial devices.

Proyectos Pesacon S.A.C. — Head of Systems

Oct 2013 – Sep 2017 | Peru

- Led the systems department and a development team for automation and traceability solutions in weighing.
- APOLO: administration/monitoring of refinery weighing equipment (Cajamarquilla / Nexa Resources).
- MAIL ADVANCE: process control for capturing raw materials in coastal weighing hoppers.
- PESACON TRUCK: multi-point truck weighing system with SAP data exchange; migration from VB6.
- PRODUCE: monitoring of anchoveta capture process with Ministry of Production servers.
- SOLDEXA: formulation system with industrial 920i integration and PC applications.
- Technologies: WinForms (C#), .NET Framework 4.5, SQL Server 2012, TCP/RS-232, SAP RFC; 4G equipment setup.

Education & Certifications (selected)

TEC de Monterrey — Master Degree in Artificial Inteligence Applied

Set 2024 - NOW

Databricks Academy — Fundamentals of the Databricks Lakehouse Platform Accreditation

Dic 2024

IBM Skills — Enterprise Data Science in practice

Nov 2024

Cognitive Class — Data Analysis with Python

Nov 2024

Coursera — Prompt Engineering for ChatGPT

Nov 2023

Pluralsight — .NET MAUI: The Big Picture

Nov 2023

Pluralsight — Managing React States

Nov 2023

Know4Be — Security Course Certification

Aug 2023

Pluralsight — EF Core Best Practices

Aug 2023

Pluralsight — Encapsulation Effic

Aug 2023

New Horizons — Scrum Master Certified Course

Aug 2023

Afor0255 Training Center — DevOps Architecture (Azure Pipelines, Jenkins, CI/CD)

Jul 2022 – Aug 2022

Udemy — Entity Framework Core 6 Introduction (NET6)

Feb 2022 – May 2022

Galaxy Training — AWS Technical Professional

Apr 2021 – Jun 2021

Centrum Católica — EDEX Course in DevOps (Scrum, CALMS, Docker, DevOps Maturity)

Mar 2021 – May 2021

NETEC — AWS Discovery Day

Apr 2021

Amazon Training & Certification — AWS Technical Professional (Certificate of completion)

Apr 2021

Code with Mosh — Mastering React

Dec 2020 – Jan 2021

Entrenamiento Certero — AZ-900T01-A: Microsoft Azure Fundamentals

Sep 2020

Galaxy Training — Angular 9: Integration Project

Jul 2020

Galaxy Training — Angular 9: Architecture and Fundamentals

May 2020 – Jun 2020

New Horizons — Innovation Management: Design Thinking, Scrum, XP, Lean

Sep 2019 – Oct 2019

New Horizons — Data Centers Specialization Program Workshop

Jun 2019

New Horizons — 20486 – Developing ASP.NET MVC5 Web Applications

Jun 2019

Selected Achievements

- Led automation and traceability projects integrated with SAP, reducing registration time and operational errors.
- Contributed to JNE digital transformation by implementing electoral and archiving modules with security/performance gains.
- Standardized TCP/RS-232 integrations with industrial equipment to improve data capture reliability.

Languages

- Spanish — Native
- English — Intermediate

Additional Information

Date of birth: 11/Jan/1986 | Marital status: Married | National ID (DNI): 43497912