

CLIO SALGADO

FULL STACK DEVELOPER & DATA SCIENCE STUDENT

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PROFILE

Full Stack Developer and Business Data Science student with 7+ years of professional experience in leadership, administration, and quality management. Focused on secure software through Test Driven Development (TDD), CI/CD pipelines, and strategic data analysis. Bilingual, analytical profile dedicated to the optimization of complex processes.

TECHNICAL EXPERIENCE

December 2025 - April 2026

Booking App | Backend API & Data Management | v2.0

Technologies: Node.js, Express, PostgreSQL, Sequelize, Jest, Supertest, JWT, GitHub Actions (CI/CD), CodeQL, DAST, Postman, Cloudinary.

- Developed a RESTful API using Node.js and PostgreSQL, implementing optimized SQL queries and pagination to efficiently manage datasets of +1,000 records, significantly reducing response times for high-volume searches.
- Integrated Static Analysis (SAST) via CodeQL and defined API contracts with Render, ensuring system robustness and early vulnerability detection.
- Implemented JWT for stateless session management and bcrypt for secure password hashing and data protection.
- Achieved 84% overall code coverage and 91% in critical controllers through a suite of 22 automated tests (Jest/Supertest), ensuring business logic stability and minimizing production errors.
- Integrated Cloudinary to optimize the upload, transformation, and storage of high-resolution image and video assets.

November 2025 - April 2026

GalleryMovies | Full-Stack Developer & QA | v2.0

Technologies: React, Redux, Bootstrap, Bootswatch, Node.js, Express, PostgreSQL, Sequelize, Jest, Supertest, GitHub Actions (CI/CD), CodeQL, DAST, Postman.

- Developed a Full Stack RESTful API using React, Node.js, and PostgreSQL, implementing optimized SQL queries and a complex data model architecture (M:M) to ensure data integrity across movies, actors, directors, and genres.
- Achieved 86% overall code coverage and 100% in models and route logic through a suite of 19 automated tests (Jest/Supertest), guaranteeing system stability and consistent cinematic data management.
- Integrated Static Analysis (SAST) via CodeQL and Dynamic Analysis (DAST) while defining API contracts with Render, ensuring architectural robustness and early-stage vulnerability detection.
- Developed a high-performance Frontend using Vite and Bootstrap, integrated with a backend secured by Helmet and CORS policies to prevent common web vulnerabilities and optimize client-side load times.

November 2025 - April 2026

Auth-Mailer-API | Security / Integrations | v2.0

Technologies: Node.js, Express, PostgreSQL, Sequelize, JWT, Nodemailer, GitHub Actions (CI/CD), CodeQL, DAST, React, Brevo.

- Implemented a robust authentication system featuring account verification and recovery workflows via SMTP (Nodemailer/Brevo), configuring IPv4 network protocols to ensure stable deployments and high availability on Render.
- Strengthened system security by integrating Rate Limiting for DoS attack mitigation, sensitive data encryption, and input sanitization to prevent XSS and injection vulnerabilities.
- Ensured software quality with 100% code coverage across models and routes using automated test suites, complemented by DAST (OWASP ZAP) and CodeQL security audits to validate system resilience under banking-grade standards.

PROFESSIONAL EXPERIENCE

Operations Leadership & Quality Management | 2017 — 2024

Various Institutions (Retail, Banking, Chemical, Administration, Manufacturing)

- Team Leadership:** Managed and supervised operational staff, ensuring the achievement of performance goals and high-quality standards.
- Process Optimization:** Implemented administrative improvements that reduced turnaround times and increased operational efficiency.
- Data Analysis & KPI Management:** Data-driven decision-making for complex problem solving and quality audit management.

LANGUAGES

- Spanish:** (Native Speaker)
- English:** Intermediate (**Technical and Professional Proficiency**)

SOFT SKILLS

Cross-Functional Competencies: Leadership, Analytical Thinking, Adaptability (Reskilling), Resilience, Empathy, Mentoring, Agile Project Management, Assertive Communication.

TECHNICAL SKILLS

Data Science & Analytics

- Languages & Tools:** Python (Pandas, NumPy), SQL, RStudio, C++, NetLogo.
- Data Management:** Data Wrangling, Data Structures (DataFrames), Data Handling, Mathematical Modeling, Probability & Statistics.
- Machine Learning:** Supervised & Unsupervised Learning, Predictive Modeling.

Full Stack Development & Security

- Frontend:** React, TypeScript, JavaScript (ES6+), HTML5, CSS3, Sass, Bootstrap, Vite.
- Backend:** Node.js, Express, Sequelize (ORM), PostgreSQL, REST APIs, Helmet.
- QA & Security:** TDD (Test Driven Development), Code Coverage (Jest/Supertest), JWT, Bcrypt, GitHub Actions (CI/CD), CodeQL (SAST), OWASP ZAP (DAST).
- Cloud & DevOps:** Git/GitHub, Neon DB, Render, Netlify, Cloudinary, Vercel.
- Development Environment:** VS Code, Jupyter Notebook, SWC, JSON Server, UUID, Streamifier.

EDUCATION

BACHELOR'S DEGREE IN DATA SCIENCE FOR BUSINESS (BIG DATA) | 2023 - 2027.

*Instituto de Estudios Universitarios (IEU ONLINE) *
Flexible Schedule / Full-Time Availability*

SPECIALIZATION IN FULL STACK WEB DEVELOPMENT | 2025 - 2026.

Academlo

INDUSTRIAL CHEMICAL TECHNOLOGIST | 2013 - 2017.

Centro de Enseñanza Técnica Industrial (CETI)

CERTIFICATIONS

ACADEMLO

- Full Stack Web Development - January 2026.**

TALENT LAND MÉXICO - Agosto 2025.