

# Luis Gerardo Aguilar Garcia

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

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Full Stack Developer with 3+ years of experience in **building scalable financial applications**, designing **efficient microservices**, and **optimizing large-scale MongoDB queries**. Proven ability to **improve API security** (JWT/OAuth2), **enhance system performance** through CI/CD automation, and **integrate cloud solutions** (AWS, GCP) for better scalability.

## TECHNICAL SKILLS

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- **Programming Languages:** TypeScript, JavaScript, Python
- **Frontend:** React, Angular, Next.js, Vite
- **Backend & API Development:** Node.js, NestJS, Express.js, RESTful, GraphQL
- **Databases:** MongoDB, PostgreSQL, MySQL
- **Cloud & DevOps:** AWS (S3, Lambda, EC2), GCP, Docker, Kubernetes, CI/CD Pipelines
- **Security & Authentication:** JWT, OAuth2, Role-Based Access Control (RBAC)
- **Project Management:** Jira, SCRUM, Agile Methodologies
- **Version Control:** Git, GitHub, Bitbucket

## PROFESSIONAL EXPERIENCE

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### PREXTO FINANCIAL SERVICES

REMOTE, Mexico

FULL STACK DEVELOPER

March 2023 – current

- Designed and deployed **dynamic financial models** for interest calculations, enhancing **loan management automation** and reducing manual intervention.
- Optimized MongoDB aggregation pipelines, resulting in **faster data retrieval** and **improved system efficiency** for high-traffic financial applications.
- Designed and maintained **microservices architecture**, enabling seamless system integration.
- Ensured secure authentication via **JWT and OAuth2**, improving API security and compliance.
- Automated CI/CD pipelines, ensuring **seamless deployments, faster releases, and increased system uptime**.
- Configured and optimized **AWS S3 storage** for financial data security and accessibility.

### WORKANA

REMOTE, WEB

FREELANCER DEVELOPER

July 2023 – current

- Developed **custom web apps** using **React, NestJS, and MongoDB**, ensuring **scalability and security** for diverse business needs.
- Analyzed business challenges and built **high-performance solutions** in **AWS-based environments**, integrating **APIs and modern UI frameworks**.

- Built and maintained **custom software solutions** using **.NET, AngularJS, and SQL Server**.
- Designed and optimized **APIs for third-party integrations**, enhancing system interoperability.
- Refactored legacy systems, implementing **optimized SQL queries and efficient algorithms**, leading to **faster performance and improved maintainability**.
- Provided technical support, **bug fixing and troubleshooting**, ensuring minimal downtime for client operations.
- Managed database **performance tuning** for relational databases, ensuring data integrity and faster **query execution**.

## DDB COLOMBIA

Financial Planning Analyst

Bogotá, Colombia

June 2021 – January 2023

- Designed and implemented **interactive dashboards** and monthly performance reports by integrating data from various sources (e.g., accounts receivable, personnel hours).
- Managed and maintained comprehensive client contract **databases**, ensuring data accuracy and efficient accessibility.
- Automated budget and financial consolidation processes, improving **reporting efficiency**.
- Conducted detailed **variance analyses** between budgets and actual performance, utilizing advanced data visualization techniques to identify key trends and deliver actionable insights.

## Education & Training

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- **Economist | Universidad de Carabobo** (Top 5 Honors | July 2011)
- Self-taught programmer with expertise in **React, Angular, NestJS, SQL, MongoDB**. Completed advanced courses in **Microservices Architecture, Cloud Security, and Performance Optimization**.

## ADDITIONAL SKILLS

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- **Languages** – Native Spanish. Fluent English (near C1).
- **Cross-Team Collaboration** – Worked with finance teams to implement data-driven loan management solutions.
- **Technical Problem-Solving** – Diagnosed and resolved scalability bottlenecks in MongoDB and AWS deployments.
- **Agile Development Expertise** – Developed apps in SCRUM environments, coordinating across distributed teams.