



Juan Carlo Clamucha

SOFTWARE ENGINEER III

CONTACT

- Bentonville, AR, USA
- in [linkedin.com/in/juan-carlo-clamucha](https://www.linkedin.com/in/juan-carlo-clamucha)
- ✉ carlo-clamucha.me
- On-site · Remote

TECHNICAL SKILLS

Languages & Frameworks

- Angular
- TypeScript
- C# .NET
- JavaScript
- Java
- React
- Node.js
- Scala

DevOps & CI/CD

- Azure DevOps
- Docker
- Kubernetes
- GitHub
- CI/CD

Data & Pipelines

- Apache Airflow
- Apache Spark
- SQL Server
- MongoDB
- Cosmos DB

Cloud

- Microsoft Azure

Testing & QA

- JMeter
- Postman
- Automated Testing

Other

- RESTful APIs
- Microservices
- Agile / Scrum
- Jira
- Confluence
- Claude (AI-assisted dev)

Profile

Full-stack software engineer who builds production systems across the stack with Angular, React, TypeScript, and C# .NET, plus data-engineering work orchestrating Spark pipelines on Kubernetes. Strength in testing and delivery infrastructure — Docker-based functional frameworks, CI/CD in Azure DevOps, and load testing with JMeter — backed by data work across SQL Server, MongoDB, and Cosmos DB. Known for shipping reliable features and making build and test health visible to the whole team.

Experience

Software Engineer III Walmart Global Tech

Aug 2022 – Present · Bentonville, AR · On-site

- ▶ Built a Docker-based functional testing framework that orchestrates test doubles and service dependencies, cutting manual pre-production validation by 35 hours per week and catching at least 2 bugs per software-component integration each week.
- ▶ Designed and maintained data pipelines using Apache Airflow to orchestrate Spark jobs (Scala) on Kubernetes, processing records of at least 50 KB each and over 4 petabytes of data per hour.
- ▶ Built Kubernetes-based deployment patterns for Spark workloads, improving job reliability and cutting pipeline failures by 98%.
- ▶ Shipped full-stack features in Angular and C# .NET for internal systems serving 15,000–20,000 users and 1.5–2 million requests per day.
- ▶ Led load and performance testing with JMeter, surfacing bottlenecks that improved throughput by 30% and reduced p95 latency from 150 ms to 50 ms; collaborated with the architect to ensure best practices such as caching and rate limiting were carefully considered.
- ▶ Integrated automated testing and reporting into CI/CD pipelines across 20+ microservices, raising the defect-catch rate before merge by 99%.
- ▶ Managed data storage across MongoDB, SQL Server, and Cosmos DB supporting 8 legacy distributed services handling roughly 0.5–1 TB of data per day.
- ▶ Deployed and maintained Azure applications with GitHub-based version control, working in Agile/Scrum via Jira and Confluence.
- ▶ Used Claude to accelerate development — automating repetitive tasks, improving planning accuracy, and strengthening technical documentation.

Software Engineer Volt Computer Systems Group

Feb 2021 – Aug 2022 · St. Louis, MO · Remote

- ▶ Developed and maintained full-stack web apps (Angular, TypeScript, C# .NET) supporting 50,000 production users.
- ▶ Optimized SQL and MongoDB queries, achieving 10x–100x faster response times through denormalization for a key feature.
- ▶ Validated RESTful APIs with Postman across 5+ third-party integrations within a monolithic (non-microservice) architecture.
- ▶ Built CI/CD pipelines in Azure DevOps, reducing deployment time by 80%.

Frontend Developer Tivity Health

Oct 2019 – May 2020 · Chandler, AZ

- ▶ Worked with a UI/UX designer to draft a working plan, then implemented it independently to ensure every component delivered strong UI/UX.
- ▶ Partnered with QA to make sure the application's architecture and accessibility considerations were clearly understood across the team.
- ▶ Wrote unit tests covering component rendering and component interactions to verify everything worked as expected.

Team Lead Lambda School

2018 – 2019

- ▶ Led teams through full-stack React/Redux/Node.js/SQL projects and mentored junior developers on JavaScript, the DOM, and database fundamentals.

Education

Lambda School

2018 – 2019

Full-Stack Web Development · Computer Science Emphasis

React, Redux, Node.js, SQL, DOM manipulation with vanilla JavaScript