

Carlos Guillermo Durazo

Senior Software Engineer

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🌐 <https://www.linkedin.com/in/carlos-g-durazo> 📍 San Diego, CA

Software engineer with 10+ years of experience since 2014. Skilled in Java (6+ yrs), Python (7+ yrs), NodeJS and React (3+ yrs each), and CI/CD (5+ yrs, Jenkins/GitHub Actions).

Resilient, adaptable, and quick to tackle new challenges.

🎓 EDUCATION

Instituto Tecnológico de Tijuana

2009 – 2014

Ingeniería en Sistemas Computacionales (Computer Systems Engineering)

Tijuana, MX

📁 WORK EXPERIENCE

Thermo Fisher Scientific

06/2024 – present

Staff Software Engineer


Worked in the fishersci.com  content management team.

- Supported migrating a deprecated CMS platform hosted on-prem (Adobe CQ) to the latest version on the cloud (Adobe Experience Manager).
- Provide development team guidance on multiple engineering aspects, such as collaboration and functionality design.
- Implemented a workflow that integrates a Python microservice, which allowed other teams to consume data from our JCR without affecting performance in our AEM cluster, which lowered our cost.
- Allowed teams to consume our data from several Kafka topics, which allowed them to process data in real-time.
- Implemented several functionalities using Adobe APIs such as Adobe Journal and Adobe I/O, which allowed us to process events in real-time and consume that data for our specific needs.


Thermo Fisher Scientific

09/2020 – 06/2024

Senior Software Engineer

Continued to work on fishersci.com  as part of the shopping tools team.

- Supported migrating our applications from on-prem to the cloud by deploying them in an EKS cluster hosted on AWS.
- Redesigned the My List functionality, which was causing many incidents in production and using very costly resources.
 - Became the first real application to be fully 100% cloud-based.
 - Implemented new technologies not part of the legacy tech stack, such as ReactJS, Java 11, and PostgreSQL.
 - Performance improvement when loading lists with over 100 items from 35 to 2.5 seconds.

Then, I joined the content engineering team, which is still part of fishersci.com .

- During the onboarding process, I supported the legacy system (CQ) and collaborated with other teams to load browsing content from a new source as part of a significant effort to remove legacy dependency.

Thermo Fisher Scientific

Mid Software Engineer

06/2018 – 09/2020

Tijuana, MX

Worked on thermofisher.com [🔗](#) in their shopping tools team.

- Created new features and maintained legacy applications for the e-commerce site.
- Completed the integration of 'Science Exchange' by integrating their API services to extend and add new features.
- Enhanced their Spring Boot services using practices like TDD and BDD.
- Followed Scrum methodology as part of the SAFe train.

Then I transitioned to fishersci.com [🔗](#) to join their shopping tools team.

- Migrated legacy backend services to a modern infrastructure.
- Implemented Apache Camel for workflow clarity.
- Expanded quotes functionality to the European region.

Samsung Electronics Mexico

Software Engineer

08/2014 – 05/2018

Tijuana, MX

Served as a key member of the Smart TV app store defect review team:

- Conducted thorough evaluations of defects for Smart TV apps in the Smart Hub store.
- Ensured that issues affecting users' experiences were effectively addressed.
- Actively supported developers and content providers in finding robust solutions to their challenges.

Advanced to the role of lead engineer within the DevOps/DataOps team:

- Coordinated activities and troubleshooted a critical system operating 24/7.
- Managed processing around 100,000 logs per minute from Smart TVs across the US and EU.
- Implemented essential monitoring and alerting tools, including Datadog and PagerDuty, to enhance response capabilities.
- Successfully handled ad-hoc requests from various teams:
 - Delivered insightful analytical data promptly and effectively to support decision-making.



CERTIFICATES

AWS Solutions Architect [🔗](#)

Associate



LANGUAGES

- English
- Spanish



ORGANIZATIONS

Orbitas

Volunteer

2020 | Tijuana, MX

Organization that provides inclusive workshops and talks for girls & women.

- Coached students following the Django Girls tutorial to create a blog using Python and Django



INTERESTS

Video Games | Hiking | Traveling |
Amateur Photograph | Cooking