

Nestor Hernandez

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Senior full-stack engineer & technical lead with 10 years building cloud-native, data-intensive products (logistics, healthcare, media). Known for shipping search relevance, real-time tracking, and cost-efficient distributed systems—cutting latency, support inquiries, and cycle time while guiding cross-functional teams from roadmap to production.

Experience

Senior Software Engineer	IBM (formerly <i>Dialexa</i>) Dallas, Texas	2022 – 2025
● Boosted provider search relevant-result clicks by 43–50% for a Fortune 500 healthcare client by rebuilding Elasticsearch indexes, adding taxonomy-aware synonymization analyzers, and cross-functionally co-building a custom scoring algorithm. ● Led fullstack development of a near real-time fleet & order-tracking platform for a Fortune 500 logistics client that ingested live and historical shipment feeds, surfaced KPI dashboards, and cut customer status inquiries by ~30%, enabling faster routing and fulfillment decisions. ● Delivered mock-data APIs and data stubs that shaped a curated schema and kept the project on schedule despite shifting data-quality constraints. ● Built and maintained a private npm Vue/Storybook component library that cut feature lead time by ~20% and upskilled 4 client engineers to full-stack contributors. ● Re-engineered a distributed Spring Boot ingest layer during a core backend upgrade to eliminate upstream data errors and restore high-quality search relevance. ● Architected and delivered a NAESB-compliant, Azure-native EDI/ETL pipeline for retail energy usage and billing data; streamed parsed records to Cosmos DB for real-time audit and reporting.		
Full Stack Developer	Abbvie North Chicago, Illinois	2020 – 2021
● Architected and delivered a company-wide R&D search tool that unified over 10 siloed SQL, Oracle, and Salesforce data sources behind a micro-adapter/API-gateway mesh. ● Standardized CI/CD templates and infra, accelerating MVP approvals by ~25% and improving resource utilization. ● Assessed over 5 legacy systems for cloud-migration suitability and either led the migration/remediation or produced implementation roadmaps for partner teams, prioritizing fixes for the highest-impact crash and latency issues.		
Software Engineer	Mediaocean (formerly <i>4C Insights</i>) Chicago, Illinois	2017 – 2020
● Shipped a data-visualization platform that ingested and analyzed TV and social-media signals to provide clients with audience insights, competitive benchmarks, and campaign-optimization tools to optimize ad spend ROI. ● Cut data processing runtime and saved thousands via metric-driven autoscaling on Kubernetes: Prometheus captured RabbitMQ queue depth alongside other custom metrics; HPA scaled Celery worker pods. ● Stood up feature-branch pipelines (auto on push/PR) with Slack slash-command triggers for manual rebuilds/redeploys; automated EC2 provisioning with CloudFormation and configuration with Ansible, and used ECR for image flow, streamlining EKS and bare-metal deployments with status notifications and RBAC/approval guardrails. ● Collaborated on the migration strategy for transitioning single-node MariaDB instances to multi-node Galera clusters, improving scalability, replication, and high availability.		
Software Engineer	AC Moore (formerly <i>Blitsy</i>) Chicago, Illinois	2015 – 2017

- Partnered with supply-chain, engineering, and merchandising teams to tighten B2C order-pipeline controls, boosting inventory accuracy and catalog integrity.
- Automated purchase-order workflows across vendor/third-party systems, **reducing fulfillment errors by ~15%**.
- Led a UX-driven overhaul of the customer-refund flow alongside the Client Success team, adding support for partial-refunds and **shrinking ticket resolution time from hours to minutes**.
- Extended the homegrown CRM system with robust role-based access control (RBAC), enabling secure partner access via API / SFTP as well as restricted, purpose-built views.

Software Engineer

Clarastream
Chicago, Illinois

2014 – 2015

- Built distributed data pipelines to **centralize and normalize** retail catalog, inventory, and pricing data; published channel-ready feeds to Shopify, Amazon, and Yahoo Marketplace as well as custom integrations to ERP/OMS/CRM systems.
- Developed a scalable rules engine for per-merchant data transformations and customization.

Skills

Languages: Java, Python, TypeScript/JavaScript, Node.js, Scala, PHP, SQL

Frameworks & Runtimes: Spring Boot, .NET Core, Express, Flask, FastAPI, Vue, React, Angular, Ember.js, Celery

Data & Messaging: PostgreSQL, MySQL/MariaDB, Oracle, SQL Server, MongoDB, Neo4j, Redis, Snowflake, Elasticsearch, RabbitMQ, ActiveMQ

Cloud & DevOps: AWS (CDK), GCP, Azure, Docker, Kubernetes, Terraform, SST (IaC), Ansible, Chef, Puppet, Jenkins, npm, Heroku, Windows IIS

Architecture & Practices: Microservices, Event-driven, Distributed Systems, ETL, CI/CD, Agile, API design (OpenAPI/Swagger)

Domains & Tools: HIPAA, Salesforce, Apache Camel (Java DSL), Prometheus, Grafana

Education and Certifications

- **B.Sc. Software Engineering**, Loyola University Chicago
- **AWS Certification**, Solutions Architect - Associate (expires Dec. 2025)