

Technical Skills:

Python | JavaScript | TypeScript | SQL | Node | Express | React.js | Redux | jQuery | NoSQL | Angular | CSS | HTML | SASS | Redux | Design systems | GraphQL | Spring Boot
AWS | Cloud Computing | CI/CD | Cypress | PostgreSQL | Unit Testing | Automation | Docker | NestJS | Express.js | Java | MQTT | WebSockets | Git | VBA | Bash | Lua | Maven
Microservices | Distributed Systems | Frontend | Backend | Full-Stack | OAuth2.0 | OOP | SSO | Agile | Cloud Services | AI | Postman | Web applications | Scripting | GIT | React Native

PROFESSIONAL EXPERIENCE

Software Engineer

Ivoyant 06/2022 – Present

- Spearheaded development of **AT&T** Care Product as Frontend Developer leveraging React, Redux, web sockets, redesigning APIs for improved customer care agent support, and deployment process enhancement for optimized software development lifecycle.
- Led technical vision and direction for a strategic internal initiative aimed at transforming into a B2B SaaS provider, leveraging NestJS (backend) and React (frontend).
- Redesigned core UI workflows, transitioning from table views to drag-and-drop interfaces, resulting in \$20M/year in cost savings.
- Optimized CI/CD pipeline: Reduced build times from 45 minutes to 2 minutes using Azure Pipelines, improving deployment velocity.
- Engineered multi-customer authorization workflows with SSO by using Java 17 (spring boot), granting granular access control to 200+ clients, enhancing platform security and scalability.
- Designed and maintained scalable Java services within a microservices ecosystem, contributing to distributed architecture stability and service interoperability.
- Acted as architect and tech lead for an internal B2B SaaS initiative, building full-stack features with NestJS (backend) and React (frontend).
- Championed clean architecture practices and DevOps automation for scalable delivery.

Software Engineer

Tortoise 03/2021 – 05/2022

- Migrated a critical delivery control system, migrating from jQuery to Angular 12, reducing tech debt and improving stability for internal tele-operators.
- Deployed backend services to GCP using PM2 process management, ensuring consistent and resilient service availability.
- Improved and executed a Linux-based automated update pipeline with .deb packaging and APT repositories, enabling fleet-wide, touch-free updates for delivery robots.
- Engineered real-time communication systems using MQTT and TCP/IP protocols to monitor and control autonomous scooters and delivery devices.
- Strengthened operational reliability by optimizing backend systems for distributed robotics infrastructure.

Backend Engineer

NETGOU 01/2021 – 03/2021

- Migrated a legacy government API system from PHP to NestJS.

Database Engineer

Marelli Mexicana 02/2017 – 03/2021

- Designed 15+ complex SQL queries and stored procedures. Developed applications to automate 100% of the purchase order process, leveraging machine-generated reports and scheduling preventive maintenance.

Software Engineer

KOALA Mexicana 08/2018 – 01/2019

- Developed a Finance Application for Koala using Java 8 (Spring Boot) and jQuery to automate financial metric tracking, streamlining monthly, quarterly, and yearly reporting based on company forecasts.

CERTIFICATIONS, PROJECTS & OPEN SOURCE

Projects & Homelab Engineering

- [Ai.cargdev.io](#): Deployed LLMs (e.g., Mistral 7B) locally using Ollama on a 12GB RAM machine with Docker for isolated environments.
- [Git.cargdev.io](#): Hosted internal Git service using Gitea for source control and experimentation with private repositories.
- Implemented secure SSH and web access using Tailscale mesh VPN and Cloudflare Tunnels for exposed services.
- [AI API Server](#): A Node.js/Express.js backend server that proxies requests to Ollama and provides logging, monitoring, and cost analysis capabilities.
- [Agent calendar appointment](#): An intelligent appointment scheduling system that uses AI to handle appointment requests.

Nvim Plugins

- [Ideadrop.nvim](#): A simple Nvim plugin to drop and organize ideas in floating Markdown sidebars.

Npm Packages

- [React Crafter](#): Applied by 200+ developers, with 572 downloads on npm.
- [FullStory Asset SDK](#): Incorporated in 10+ production apps for session analysis and customer support optimization.
- [CSV to JSON Converter](#): NestJS backend development especially useful during migrations and internal tooling scripts. Downloaded 232 times.
- [Timestamp Converter](#): Lightweight CLI for converting Unix timestamps into a fixed `dd/mm/yyyy hh:mm:ss` format using native JS only. 152 downloads by developers needing consistent date formatting without extra libraries.

Certifications

- [Scrum.org](#): [Professional Scrum Developer](#), [Professional Scrum Master](#)
- EF SET: [English Proficiency \(C1 Advanced\)](#)

Soft Skills

- Proven leadership: Directed frontend teams and supported agile leadership roles to drive delivery, mentoring, and sprint efficiency.
- System improvement mindset: Cuts delivery time and boosts stability by resolving architectural and workflow blockers with automation, caching, and scalable design choices.
- Strategic mindset: Leads architectural choices with an emphasis on scalability, delivery velocity, and long-term code maintainability across platforms.

EDUCATION

Universidad Politecnica de Aguascalientes, Aguascalientes, MX

Bachelor's degree in engineering (Mechatronics)