# JOEL SOTELDO

Full Stack Developer | Specialist in TypeScript, Node.js, Python & Java
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https://krashmello.vercel.app

- ***5+ years of experience*** *in web development, with a focus on **CRM** systems and application optimization.*
- *Expert knowledge of **TypeScript**, **Node.js**, **Java**, **Python**, and **Docker** environments, with skills in distributed architectures.*
- *Solid experience in database **analysis**, **modeling**, and **optimization**, and application of **design patterns**.*
- *Extensive knowledge of the **Linux** operating system and **agile development methodologies**.*

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## PROFESSIONAL EXPERIENCE

**ALCALDÍA DE IRIBARREN, BARQUISIMETO, LARA** – Full Stack Develop
May 2022 –September 2025

- **I led** the development of a goods system, **automating** inventory management.
- **I optimized** code version management by implementing Git, improving the team's productivity and change control.
- **I administered and designed** PostgreSQL databases, developing schemas, stored procedures, and views to ensure the integrity and security of the information.
- **I developed** backend microservices with NestJS and frontends with Nuxt.js, ensuring the functionality and performance of the applications.
- **I implemented** an advanced auditing system using database triggers, which optimized the monitoring and traceability of system operations.
- **I applied** the Scrum methodology to manage the development cycle, improving efficiency in the delivery of functionalities.
- **I managed and secured container environment**s on Fedora servers with Podman (including rootless configuration), ensuring efficient deployment and application security.
- **I designed and managed container networks** for specific applications, ensuring the scalability and seamless communication of microservices.
- **I performed** exhaustive functionality and performance tests, optimizing servers to ensure high performance and security.
- **I implemented and managed** a GitLab Community Edition (CE) server on Ubuntu, providing a comprehensive source code management solution for the development team.
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**LÁCTEOS LOS ANDES, C.A., CABUDARE, LARA** – Full Stack Develop
January 2019 – February 2021

- **I optimized** system version management by implementing Git, significantly improving productivity and code control.
- **I administered and designed** PostgreSQL databases, including information schematization and the creation of stored procedures and views, strengthening data security and integrity.
- **I developed** Full Stack solutions using the Laravel framework for backend and frontend management, contributing to the comprehensive functionality of web applications.
- **I resolved** critical startup issues in the SAP quality service, hosted on openSUSE and virtualized on VMware, ensuring the operational continuity of the system.
- **I implemented** the Vue.js framework for user interface development, enhancing interactivity and user experience through dynamic visual components.
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## PROYECTOS

**CLI Chat with Gemini AI and Groq Integration** https://github.com/krashmello/chat-ai-tui

Personal project -  jun 2025

- **I developed** a command-line interface (CLI) interactive chat application using Python.
- **I integrated** directly with Google's Gemini API and Groq API to enable dynamic conversations and generate intelligent responses in real time.
- **I implemented** key features such as user input processing, chat session management, and API response handling.
- **I demonstrated** skills in CLI application development, artificial intelligence API integration, and dependency management.
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**Elumian: Modular Framework for REST API Development (personal project)** https://github.com/krashmello/elumian

- **Description:** Architect and lead developer of Elumian, a modular framework designed for backend developers, optimizing the creation, efficient and secure deployment of REST APIs.
- **Technologies:** TypeScript, Node.js, Express.js (or similar if applicable), NPM/Yarn/PNPM.
- **Achievements and Responsibilities:**
  - Design and implementation of a **modular architecture** that allows for the clear organization of controllers, services, and middleware.
  - Development of an integrated **data validation** system (with definable schemas) to ensure the integrity of information at endpoints.
  - Creation of an HTTP exception handler for robust error management.
  - Implementation of tools for efficient service management and business logic.
  - Comprehensive documentation on the use of the framework, including installation and code examples, facilitating adoption and maintenance.

# EDUCATION

**Systems Engineering**
Universidad Experimental Politécnica de las Fuerzas Armadas (UNEFA), Barquisimeto, Lara
July 2012 – September 2019

# SKILLS

- **Programming Languages:** JavaScript, TypeScript, HTML, CSS, Java, Python
- **Frameworks and Libraries:** React, Vue.js, Laravel, NestJS, Nuxt.js
- **Execution Environments:** Node.js
- **Databases:** PostgreSQL
- **Tools and Platforms:** Git, Docker, Podman, GitLab CE
- **Operating Systems:** Linux (Ubuntu, Fedora, openSUSE)
- **Methodologies:** Scrum, Agile
- **Others:** CRM, Gestión de Versiones, Optimización de Bases de Datos, CI/CD
- **Languages:** inglés(casual a2), español(nativo)