

# Carlos Emanuel Klema

## Full-Stack Developer

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🌐 [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

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### 🧑💻 Professional Profile

Full Stack Developer with 1 year of hands-on experience building SPAs and PWA applications using React, Redux, Node.js, and PostgreSQL. Passionate about continuous improvement, agile problem-solving, and teamwork. Strong ability to learn quickly and adapt to new technical challenges. English level B2 and intermediate-to-advanced Portuguese.

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### 🚀 Highlight Projects

#### 💎 Tiendas Locales | Dec. 2023 – Dec. 2024

**Description:** Tiendas Locales is a platform designed for small and medium-sized towns that need to develop their online commerce.

It allows local businesses and professionals to easily and effectively create their online presence. In addition to showcasing their products and/or services, it provides integrated tools that facilitate interaction with customers — from enabling online sales to including a live chat, real-time notifications, and a custom web address for each store.

[www.tiendaslocales.com.ar](http://www.tiendaslocales.com.ar) is not only a web platform but also a progressive web app (PWA) that can be installed on a wide range of devices including Android, iOS, macOS, and Windows.

**Technologies:** React, Redux, Node.js, Express, PostgreSQL, WebSockets, HTML, CSS, JWT, Auth0, etc.

**Contributions:**

- Implemented a robust Redux system for efficient communication between the backend and frontend, as well as optimized CRUD operations for essential database models.
- Designed intuitive interfaces ensuring coherent information layout.
- Integrated in-app and push notification systems along with a real-time chat to enhance user engagement.
- Developed interactive forms with strong validation.
- Designed database models to ensure proper organization and data flow.

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#### 💎 LoCanjeamos | Oct. 2023 – Dec. 2023

**Description:** SPA in PWA format that facilitates direct item exchanges between users. It promotes the circular economy and sustainability by allowing people to trade goods they no longer need, encouraging reuse and waste reduction, and creating a collaborative space to share resources more consciously.

**Technologies:** React, Redux, Node.js, Express, PostgreSQL, WebSockets

**Contributions:**

- Designed and implemented the product matchmaking system.
  - Developed the live chat and in-app notification system using WebSockets.
  - Created features, components, and views to ensure the correct functionality of the platform.
  - Efficiently managed state and information using Redux.
  - Connected the three layers of the application, ensuring smooth data flow between the database and end users.
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## Additional Experience

### Full-Stack Teaching Assistant – Henry Bootcamp | Oct. 2023 – Dec. 2023

- Coordinated student groups and promoted teamwork.
  - Resolved technical questions and supported pair programming.
  - Proposed improvements in teaching processes.
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## Education

### Henry Bootcamp – Full Stack Web Developer (800 hours) | 2023

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## Technologies and Tools

- **Languages:** JavaScript, Java, CSS
  - **Frameworks / Libraries:** React, Redux, Node.js, Express, Socket.io
  - **Databases:** PostgreSQL, Sequelize
  - **Tools:** Git, GitHub, VS Code, Discord, Slack, pgAdmin
  - **Methodologies:** Scrum
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## Languages

- Spanish: Native
  - English: B2 (upper-intermediate)
  - Portuguese: B2 (upper-intermediate)
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 Sample website: [Tiendas Locales](#)