



PROJECT PROPOSAL

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PROJECT TITLE

Delivery Apps to PoS Integration with a Middleware API (Stream, OAuth)

DESCRIPTION

This project establishes a secure, automated "Digital Bridge" Middleware API between your StreamOrder aggregator and your Point of Sale (POS) system. This integration will allow the PoS to communicate with Stream.

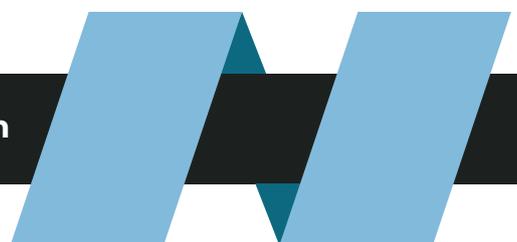
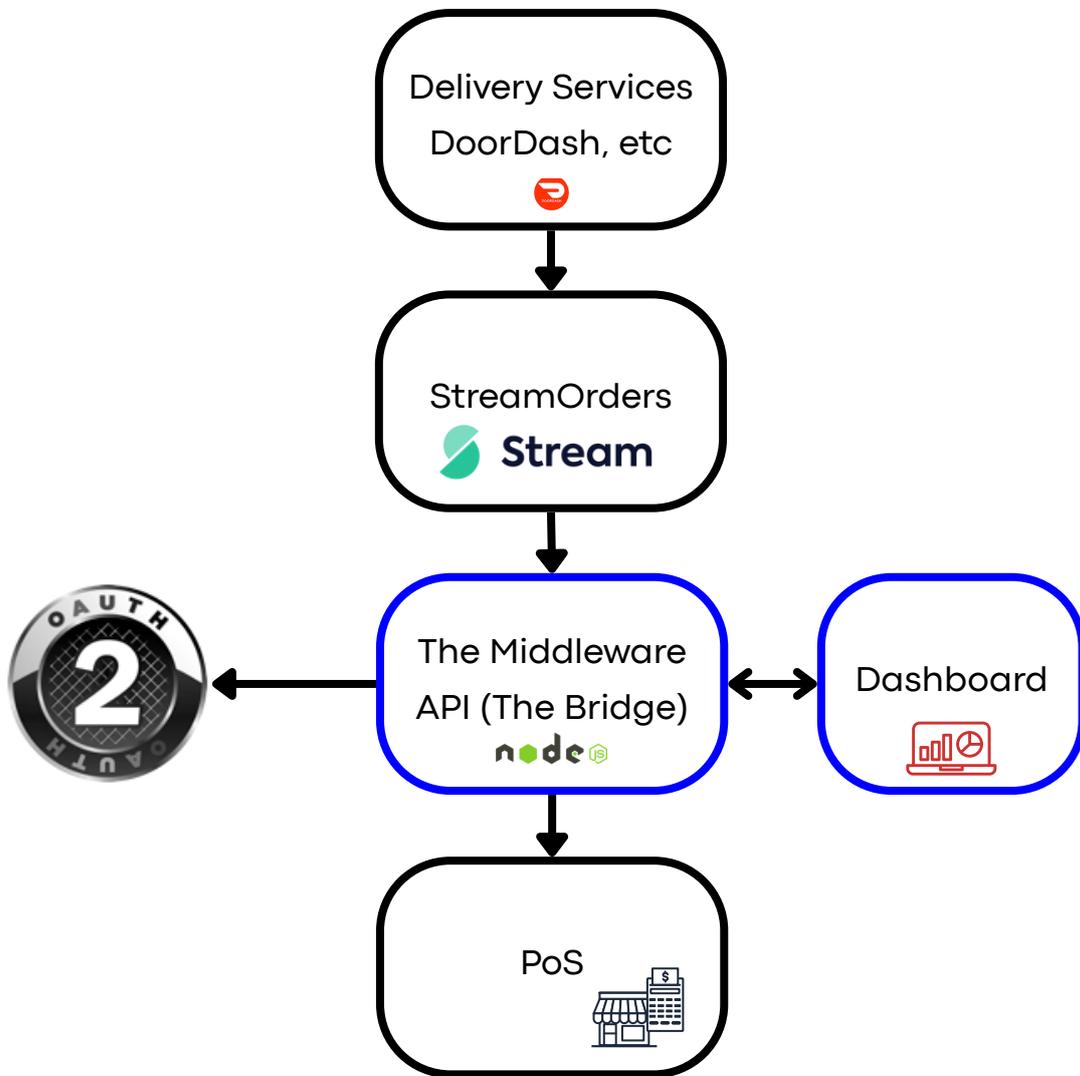
OBJECTIVE

The primary goal is to implement OAuth 2.0. This ensures the data remains secure while allowing orders to flow automatically from the cloud to the PoS.

- **Secure Connection:** Setup of the OAuth handshake so you never have to share private passwords.
- **Automatic Sync:** Ensuring every DoorDash or other apps orders appears in your POS instantly.



DIAGRAM





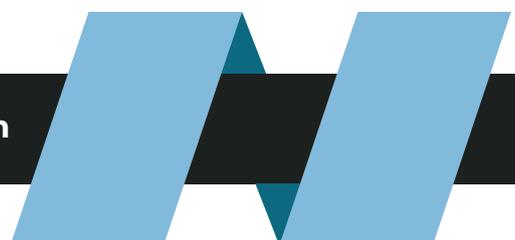
MY APPROACH

I will build a Middleware API (The Bridge) that will handle the OAuth2.0 handshake with Stream. Then I will map the data from delivery services into the specific format required by your POS to ensure every order prints perfectly.

I will use Node.js, Fastify, TypeScript

TIMELINE

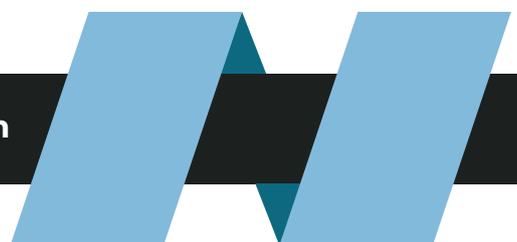
- **Week 1:** Security & The Digital Handshake
 - **Goal:** Securely connect your accounts.
 - **Tasks:** Setting up the private "Bridge" server and establishing the OAuth 2.0 security connection.
 - **Result:** By the end of this week, Stream will be officially "linked" to your system, and your data will be protected by encrypted digital keys.
- **Week 2:** The Automation Bridge
 - **Goal:** Make sure the systems can communicate.
 - **Tasks:** Building the Translator that matches DoorDash/etc items to your PoS menu. We also set up the "Ear" (Webhooks) that listens for new orders 24/7.
 - **Result:** The automation is now alive in a test environment. Orders are being captured and translated instantly.
- **Week 3:** Dashboard & Live Launch
 - **Goal:** Visibility.
 - **Tasks:** Building your **Live Connection Dashboard** so you can see the activity of the system. We run tests to ensure high-volume operations go smoothly.
 - **Result:** The bridge is active, orders are printing in the PoS, and you have your private link to monitor everything in real-time.
- **Week 4:** Small changes and monitoring





CORE FEATURES & DELIVERABLES

- **OAuth 2.0 Integration:** An authentication layer that connects your accounts without sharing private passwords.
- **Real-Time Order Injection:** Orders from DoorDash and others are detected instantly and pushed directly into your POS system within seconds.
- **Automated "Digital Translator":** Intelligent mapping that ensures every menu item, modifier, and customer note matches your POS format perfectly.
- **Automatic Token Refresh:** A self-maintaining security system that automatically renews its "digital keys" so the connection never expires.
- **Reliability Monitoring:** Integrated error-tracking that alerts me immediately if an order fails to sync, allowing for proactive fixes.
- **Live Connection Dashboard:** A simplified web view where you can monitor the status of the bridge and verify the most recent successful syncs.





PROJECT PREREQUISITES

To begin, I will need access to the following:

- **Stream Developer Access:** * Login credentials or an "Owner" invite to your Stream dashboard.
 - Confirmation that your account has "Partner API" access enabled.
- **POS API Documentation & Credentials:** * Access to your Point of Sale (POS) developer portal (e.g., Square, Clover, Toast, etc).
 - An API Key or "Personal Access Token" with write permissions (to inject orders).
- **Current Menu/Stock Keeping Unit List:** * A CSV or Excel export of your POS menu items with their unique ID numbers/SKUs.
- **Technical Point of Contact:** * The name of the person authorized to "Approve" the OAuth connection during the live handshake test.

PRICING

- Fixed Project Fee: [REDACTED]

Includes 7 days of live monitoring of the "Digital Bridge API" and updates to match any API changes from StreamOrder or DoorDash.

- Ongoing Support & Maintenance (Optional): [REDACTED]

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Full-Stack Engineer

