Daily Development Report

📅 Date: May 26, 2025

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📝 Project: SidelineSwap Clone

# Summary of Work Completed

- Installed and configured `gsutil` and `gcloud` CLI tools.  
- Set up Firebase Authentication, Firestore, and Firebase Storage.  
- Fixed persistent CORS issues during local testing with Firebase Storage.  
- Migrated all Firebase environment variables to `.env.local` for security.  
- Verified image uploads to Firebase Storage work correctly.  
- Encountered and debugged Firestore write-stream `400 Bad Request` errors.  
- Created a new Firestore + Storage ruleset.  
- Discussed Firebase scalability limits and initiated plans to switch to PostgreSQL + Prisma.  
- Rewrote `create-listing.tsx` component with improved error handling and logic.  
- Confirmed successful Firebase Storage upload, pending Firestore replacement.

# Next Steps

- Complete migration from Firestore to PostgreSQL using Prisma ORM.  
- Update the listing form to save listing data to PostgreSQL.  
- Connect backend API endpoints for listing creation and retrieval.  
- Begin writing unit tests for listing creation and user authentication.  
- Plan for GitHub CI/CD integration.