

Brett Wastradowski

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Professional Summary

AI-assisted **Android Developer** who blends human creativity with generative tools to build intuitive, user-centered apps efficiently. Skilled in **Kotlin**, **Jetpack Compose**, and **MVVM architecture**, turning ideas into polished, production-ready Android experiences in record time. Experienced in integrating **RESTful APIs**, **Firebase**, and on-device AI models while maintaining clean, scalable codebases. Recognized for bridging the gap between technical and non-technical teams and solving complex challenges with speed, creativity, and a focus on usability and performance.

Experience

Android Developer Intern – Lillup (Remote)

January 2025 – June 2025

- Contributed to the early architecture of the company's Android MVP using **Kotlin**, **Jetpack Compose**, and modern MVVM frameworks.
- Collaborated with cross-functional teams to define core app modules, workflows, and feature requirements.
- Researched and tested methods for **embedding large AI models on Android**, including **ONNX** conversion and Python-based tooling for edge inference.
- Gained experience in cross-platform collaboration by working directly with iOS developers and designers on feature alignment.

Team Member – Target, Fleming Island, FL

June 2018 – Present

- Developed a **Kotlin-based logistics app** that reduced truck-unload time by **25 %** and improved team productivity.
- Integrated **Firebase Realtime Database** for scalable backend management and live updates.
- Conducted unit and integration testing, increasing code reliability by **30 %**.
- Recognized for independently creating technology solutions that enhanced operational efficiency.

Projects

Guess The Emoji Game — In Development | Google Play (Coming Soon) | GitHub

- Designed and built the **MVP in just five days** (three days of development and two days of Google Play pre-publishing).
- Created a **Jetpack Compose-based puzzle game** where players decode emoji sequences to reveal movies, phrases, and pop-culture references.
- Uses **MVVM architecture** for clean state management and **Room** for local progress tracking.

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- Includes **AI-assisted puzzle generation** for new level creation and **dynamic difficulty balancing** for replayability.
Tech Stack: Kotlin, Jetpack Compose, Room, Coroutines, Material Design, MVVM

ShopPuppet App — [Google Play Store](#) | [GitHub](#)

- Designed and published a Kotlin-based shopping list app on Google Play, gathering early user feedback and iterating on features to improve usability.
- Increased daily user engagement by **20 %** through UI/UX refinements and data-driven updates.
Tech Stack: Kotlin, Jetpack, Room, Dagger Hilt, Android Navigation Component, Material Design

WeatherCast App — [GitHub](#)

- Enhanced app stability and reduced memory leaks by **15%** using **LeakCanary** and **Kotlin Coroutines**.
- Improved data retrieval speed by **30%** through optimized **RESTful API** integration with **Retrofit**.
- Tech Stack:** Kotlin, Retrofit, LeakCanary, Room, ViewModel, LiveData.

Unload Pro — Internal Use

- Built an internal app with **Jetpack Compose** and **Firebase**, increasing warehouse productivity by **25%**.
- Reduced communication gaps by **50%** through real-time progress visualizations.
- Tech Stack:** Kotlin, Jetpack Compose, Firebase, Dagger/Hilt, JUnit, Espresso.

Core Strengths & Technical Skills

Languages: Kotlin (Proficient), Java, Python | **Architectures:** MVVM, Clean Architecture | **APIs & Networking:** RESTful APIs, Retrofit, Ktor | **UI/UX:** Jetpack Compose, XML, Material Design | **Concurrency:** Coroutines, Flow, RxJava | **Data Management:** Room, Firebase | **Testing:** JUnit, Mockito, Espresso, AndroidX Test | **Performance:** LeakCanary, Profilers | **Version Control:** Git, GitHub Actions | **AI & Modern Tools:** ChatGPT, Copilot, Gemini, Prompt Engineering, ONNX, PyTorch | **Leadership:** Cross-functional team coordination, productivity improvement, project delivery | **Soft Skills:** Problem Solving, Collaboration, Communication, Adaptability

Education

- Self-Directed Study in Android Development — Ongoing**
Courses include Complete Kotlin Development Masterclass, Android Testing, Git and GitHub Bootcamp, Android Jetpack Masterclass.
- High School Diploma — Henry Foss High School, Tacoma, WA