

ANDREY BABIY

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SUMMARY

Recent Computer Science graduate specializing in mobile development with Flutter. Strong foundation in full-stack application development, UI/UX design, and cloud integration with Firebase and AWS. Proven experience delivering production-ready apps through professional, academic, and solo projects. Seeking a full-time developer role to build impactful, user-centric software solutions.

EDUCATION

The University of North Carolina at Charlotte — Charlotte, NC
BS in Computer Science, Software Engineering — December 2024

TECHNICAL SKILLS

- **Languages:** Dart, JavaScript, Python, Java, HTML/CSS
 - **Frameworks & Libraries:** Flutter, Svelte, Material Design
 - **Cloud & Databases:** Firebase (Firestore, Authentication, Storage), AWS, SQLite
 - **Tools & Platforms:** Git, Android Studio
 - **Methodologies & Concepts:** Agile/Scrum, UI/UX Design, REST APIs, Object-Oriented Programming (OOP), Responsive Design
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EXPERIENCE

FleetChaser — Charlotte, NC

Application Developer — July 2024–Present

- Designed and implemented new software features, including a **vehicle info page** to enhance user experience and streamline data accessibility.
 - Developed and integrated new features into the internal app, increasing versatility and productivity for vehicle tracker installers.
 - Proactively identified and resolved bugs, improving app performance and reliability.
 - Refactored and optimized legacy code to ensure compatibility with the latest Flutter framework, improving maintainability and scalability.
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PROJECTS

Jung Journal App — Solo Project

Tech Stack: Flutter, Firebase (Firestore, Authentication, Storage), Provider

- Developed a secure, cross-platform journaling application to help users document and reflect on personal growth prompts.
- Engineered a scalable backend with **Firebase Firestore** to manage user profiles, journal entries, and image storage, ensuring real-time data synchronization across devices.
- Implemented a **dynamic prompt system** with search and filtering capabilities.
- Structured the application using the **Provider state management pattern** for a maintainable and scalable codebase.

Niner Security (Capstone Project) | GitHub | Web Demo

Tech Stack: Flutter (Mobile), Svelte (Web), SQLite, REST APIs

- Built a cross-platform application as part of a team to improve campus safety by creating a direct line of communication between students, faculty, and campus police.
- Designed a streamlined **UI for emergency reporting** and faculty response workflows.

- Implemented **secure authentication** and a local SQLite database to manage and persist critical data with offline capabilities.
 - Integrated **real-time push notifications** via RESTful APIs to ensure immediate alert delivery during emergencies.
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CURRENT FOCUS & DEVELOPMENT

- **AI Feature Integration:** Actively prototyping AI-driven features for the **Jung Journal App**.
- **New AI Application:** Currently building a new, AI-native mobile application from the ground up to explore practical applications of Machine Learning on mobile platforms.
- **Fundamental AI/ML Studies:** Deepening my knowledge of AI fundamentals, including neural networks, machine learning models, and the principles behind Large Language Models (LLMs).