Emily Desverreaux

Arlington, VA

emilydesverreaux@gmail.com

(443) 975–5625

Summary

Senior Android engineer with 5+ years of experience building and scaling production Android apps at Capital One. Compose-first developer specializing in front-end architecture, reusable UI systems, and end-to-end feature delivery from Figma to release. Known for technical ownership, cross-functional leadership, and writing clean, maintainable Kotlin.

Skills

Android Development: Kotlin, Jetpack Compose, Android SDK, Coroutines, state management, MVVM, unidirectional data flow

Android Architecture & Tooling: Modularization, design systems, API contract design, REST/JSON, authentication/SSO, Git, Android Studio, Figma

Experience

- **Capital One** — McLean, VA
  Senior Associate Software Engineer (Android) — Feb 2022 – Present
    - Built and shipped Android features across a high-traffic consumer banking app and a confidential greenfield Android product, supporting millions of users
    - Designed and implemented UI architecture for a new Compose-based app, defining navigation patterns, screen structure, and state management conventions adopted across the team
    - Owned Android networking and authentication layers (SSO), partnering with backend teams to design API contracts and ensure secure, reliable client-server integration
    - Scoped and delivered end-to-end features directly from Figma designs, aligning design intent with technical implementation across design, product, and backend partners
- *Associate Software Engineer (Android)* — Feb 2021 – Mar 2022
    - Developed UI features for login, account details, and security settings in a high-traffic production banking app
    - Led Java-to-Kotlin replatforming for login, legal/privacy documents, and account details modules, improving maintainability and consistency
- **Capital One** — McLean, VA
  Technology Intern Program (Mobile) — Jun 2020 – Aug 2020
    - Researched Kotlin Multiplatform and built a proof of concept demonstrating shared business logic on Android and iOS
- **Bank of America** — Newark, DE
  Global Technology Summer Analyst — Jun 2019 – Aug 2019
    - Supported fraud RPA initiatives contributing to an automation estimated to save $300K annually by reducing manual work and error
    - Created bot setup documentation and used Splunk log analysis to forecast server issues and reduce developer investigation time
- **Virginia Tech** — Blacksburg, VA
  Teaching Assistant, CS 1114 & CS 3744 — Aug 2019 – Dec 2020
    - Led weekly labs and office hours, supporting students with debugging, software design concepts, and GUI-based project implementation

Education

- **Georgia Institute of Technology** — Atlanta, GA
  M.S. Computer Science (OMSCS), Human-Computer Interaction — Aug 2021 – May 2024
- **Virginia Tech** — Blacksburg, VA
  B.S. Computer Science — Aug 2017 – Dec 2020