Simon Duchastel

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Experienced Software Lead | 7 years Android expertise | 10 YOE
Devoted to shipping impactful mobile apps and projects at scale

TECHNOLOGY EXPERIENCE

Stripe

Software Engineer – *Mar. 2024 to 2025*

- Responsible for entire [Dashboard Android app](#) (1M+ downloads) on a 3-dev team, including all new app features, app deployments, managing **Google Play**, operational maintenance, etc.
- Developed the team's first "backend-for-frontend" server endpoint to display "What's New" in-app notifications to users. Localized copy on backend for display in the app on startup. Independently designed, implemented, and deployed in Stripe's **Ruby** monorepo. Mentored developer unfamiliar on Android to ship and roll out the feature. Viewed **30k+ per day**.
- Designed and built [Android Connect SDK in open-source repo](#). Designed the SDK to enable 3rd party integrators to embed Stripe UI in Java or Kotlin and hook into app lifecycle events. Used **webviews** to load JavaScript SDK on Android while hooking into native functionality/APIs.
- Entirely rewrote search experience, fully migrating it to a **Fragment** using **Jetpack Compose** using a **Pager UI pattern**. Incorporated infinite scroll and caching. Used by **50k+ users per day**.
- Migrated features to **Jetpack Compose,** working closely with design and product.

98point6

Software Engineer – *Jun. 2018 to Mar. 2024*

- **Tech Lead** for new white-labeled mobile offering overseeing 6 developers. Built out app distribution pipeline where a new white-labeled app could be stood up in <1 week and rewrote onboarding flow in conjunction with 2 partner teams to meet new insurance requirements.
- Built new microservice using **AWS Lambda**, **API Gateway**, and **Pinpoint** to manage push notifications for 8+ apps. Integrated with **Google Firebase** and **Apple APNS** for notifications.
- Led app redesign to **Kotlin Multiplatform**, **Jetpack Compose, GraphQL, MVVM architecture**.
- Built **Kotlin/Java** SDK to embed patient experience into 3rd party apps. Designed all SDK APIs.
- Rewrote auth on Android to support **Single Sign-On** and move **RxJava** to **Kotlin Coroutines**.
- Rewrote video chat UI in the [98point6 Android app](#) from **Fragment**s to **RIBs architecture**.
- Expanded device integration tests using **Espresso** for significantly higher UI test coverage.

Voicebox

Software Engineer – *Mar. 2017 to Aug. 2017*

- Developed web services in **C#** to support automated test suite development.

QA Intern – *Mar. 2016 to Mar. 2017*

- Built out automated test suites for internal tooling using **Selenium**.

EDUCATION

University of Washington —2017 to 2020

B.S. in Computer Science (Class of 2020)

VOLUNTEER EXPERIENCE

Board Secretary — Grandview HOA, *2021 to Present*

- Board Secretary and Assistant Treasurer for 100+ unit high rise in Seattle.

Volunteer Guide — Trails & Rails (National Park Service), *2022 to Present*

- Engage with passengers onboard Amtrak trains from Seattle to Portland as an onboard guide.

SKILLS

Languages

- Kotlin (including Multiplatform)
- Java
- TypeScript/JavaScript
- Ruby
- GraphQL

Tools

- Google Play
- Firebase
- AWS (Lambda, API Gateway, IAM, etc.)
- AWS CDK (Infrastructure as Code)
- Terraform
- Splunk
- SumoLogic

LANGUAGES

- **English** — Native speaker
- **French** — Native speaker

Frameworks

- Android
- React Native
- Jetpack Compose (Declarative UI)
- MVVM architecture
- Kotlin Coroutines
- RxJava (Reactive Programming)
- Espresso (UI testing)
- Selenium (Automated End-to-End testing)

Project Management

- JIRA and Confluence
- Agile