

TIMOTHY PAETZ

Results-driven Software Engineer with 19 years of experience in mobile and web development, specializing in leading both local and offshore teams. Successfully refactored and re-architected Fundrise's FinTech Android application to improve efficiency, reduce technical debt, and simplify the codebase. At Dexcom, I led the development of three Android applications supporting the Dexcom G6 platform and created four proof-of-concept applications for the New Markets team to explore emerging opportunities. Additionally at CadmiumCD, I designed and built a white-label conference proceedings app used for over 1,000 conferences, enabling seamless access to schedules, speaker information, and session content across a wide range of events.

SKILLS & ABILITIES	Native Android Development, JetBrains IDEs, Git/SVN, Django, PostgreSQL, AWS, Eclipse, MacOS/Linux/Windows, Atlassian Products, Scrum, Agile
LANGUAGES	Kotlin (8 years), Java (15 years), Python (7 years), CSS/HTML/JavaScript (9 years), SQL, JSON, XML
ANDROID LIBRARIES	Compose, OkHttp, Retrofit, Paparazzi, DataStore, Room, Realm, OrmLite, SQL Cipher, Gson, Moshi, Dagger2, Anvil, Hilt, EventBus, Coroutines, LiveData, View Models, Glide, RecyclerView, WorkManager, Robolectric, Espresso, Mockito, Mockk, Junit, Robolectric, Paparazzi, Firebase, Jetpack Navigation, Compose Navigation, Microsoft Authentication Library
EXPERIENCE	<p>FUNDRISE, REMOTE (FUNDRISE)</p> <p>LEAD SOFTWARE ENGINEER (ANDROID)</p> <p>February 2022 - April 2025</p> <p>SENIOR ANDROID DEVELOPER</p> <p>July 2021 – February 2022</p> <ul style="list-style-type: none">• Raised over \$900 million on the platform• Led refactoring of approximately 400 XML Views to Compose• Led bug triage and reduced over 1000 bugs per week to less than 50• Worked collaboratively with product managers, C-Suite and engineering leaders to define roadmaps, goals, and new features• Architected refactoring of navigation to decouple navigation code from UI• Interviewed and hired 9 engineers• Led best practices including writing unit tests, Espresso tests, Robolectric tests, Paparazzi screenshot tests, and Pull Request reviews

SEQUELAE, REMOTE ([LORE HEALTH](#))

CONSULTANT (ANDROID - PART TIME)

November 2022 - August 2024

- Architected and developed a native Dexcom G6 CGM library which integrated into the Lore Health app to view user's glucose readings saving \$600,000 in partnership fees
- Architected and developed a native green field Android application to migrate Ionic framework app to native
- Interviewed and helped onboard native Android and iOS engineers

DEXCOM, SAN DIEGO, CA ([DEXCOM G7](#), [DEXCOM G6](#), [FOLLOW](#))

STAFF SOFTWARE ENGINEER, FUNCTIONAL GROUP LEAD (ANDROID)

March 2018 - July 2021

SENIOR ANDROID DEVELOPER (CONTRACTOR)

August 2017 – March 2018

- Initial member of Dexcom's New Markets team that grew to over 100 people and contributed to the sale of over \$250 million glucose monitors
- Lead Android Architect and Developer for the first FDA approved Android library to be integrated into other apps
- Lead Android Architect and Developer for integrating the iCGM library within external partners applications
- Lead Android Architect and Developer for Dexcom Follow having over 500k downloads
- Lead Android Developer for Dexcom Glucose Program which integrated with a Fitbit companion app
- Developed a Proof of Concept app that communicated with a Dexcom transmitter via Near Field Communication and Bluetooth Low Energy
- Architected and create new reusable SDK components as well as assisted in designs for existing components
- Helped interview and hire candidates for multiple Android teams
- Led Clean Code talks to discuss patterns, libraries and best practices

PEACE OPERATIONS TRAINING INSTITUTE, WILLIAMSBURG, VA ([POTI](#))

CHIEF OF INFORMATION TECHNOLOGY

July 2015 – July 2017

ASSISTANT CHIEF OF INFORMATION TECHNOLOGY

September 2010 – July 2015

- Developed Django website for POTI, an e-learning platform in three languages serving 250,000 students with over 1 million total enrollments
- Managed and allocated grant funds to purchase IT equipment
- Developed RESTful APIs to integrate mobile applications with web servers
- Created Android application as the lead developer using Dagger2, OkHttp, Retrofit, EventBus, GSON, and Realm within a Model View Presenter architecture
- Deployed website to Amazon Web Services using ElastiCache, RDS, S3, CloudFront, and EC2

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- Monitored invoicing and costs associated with all cloud computing
 - Produced mobile friendly website using Bootstrap 3 and Material Design
 - Experienced in Search Engine Optimization; POTI is first on Google when searching for Peacekeeper Training
 - Generated new SQL reports for analytics and reporting for grants

CADMIUMCD, FORREST HILL, MD ([EVENTSCRIBE](#))

LEAD ANDROID DEVELOPER (PART TIME)

September 2011 – June 2018

- Developed white label conference proceedings Android application, used by approximately 1,000 events and purchased by Amazon, Mayo Clinic, Cleveland Clinic, American Bar Association, Congressional Black Caucus Foundation, the American Library Association, and many more
- Developed using Universal Image Loader, Dagger2, OrmLite, OkHttp, EventBus, Retrofit, and GSON

PERFECT COMMERCE, LLC, NEWPORT NEWS, VA

SOFTWARE ENGINEER

September 2007 – August 2010

- Maintained and developed a business-to-business software-as-a-service website using Java Struts and Servlets
- Developed Data Access Objects connecting to Oracle database using JDBC
- Created and updated reports using Jasper Reports

EMERGING BUSINESS SOLUTIONS, LLC, SMITHFIELD, VA

JUNIOR SOFTWARE ENGINEER

June 2005 – September 2007

- Developed web applications using Java J2EE technologies.
- Customized Sakai open-source e-learning management system portal using JavaServer Faces

EDUCATION

JAMES MADISON UNIVERSITY, BACHELOR OF COMPUTER SCIENCE

2002 - 2006

COLLEGE OF WILLIAM AND MARY, ONE YEAR OF BUSINESS MANAGEMENT CLASSES

2009 - 2010

AWARDS

Nominated for Nobel Peace Prize 4 years in a row with POTI.

2013 Best in Show, Best Technology Tool for CadmiumCD EventScribe mobile application from the Professional Convention Management Association.