

TIMOTHY PAETZ

Professional software engineer since 2006 developing software on web, servers, databases, and Android.

SKILLS & ABILITIES Native Android Development, JetBrains IDEs, Git/SVN, Django, PostgreSQL, Amazon Web Services, Eclipse, Linux/Windows/MacOS, Apache2

LANGUAGES Kotlin, Java, Python, CSS, HTML, JavaScript, SQL, JSON, XML, Elm, Scala

ANDROID LIBRARIES OkHttp, Retrofit, Room, Realm, OrmLite, SQL CIPHER, Gson, Moshi, Dagger2/Hilt, EventBus, Coroutines, LiveData, View Models, Picasso, Universal Image Loader, RecyclerView, WorkManager, Robolectric, Espresso, Mockito, Mockk, Junit

EXPERIENCE **FUNDRISE (REMOTE)**

LEAD SOFTWARE ENGINEER (ANDROID)

February 2022 - Present

SENIOR SOFTWARE ENGINEER (ANDROID)

July 2021 - February 2022

- Lead 2 teams of Android engineers
- Interviewed and hired multiple Android engineers
- Worked on creating best practices for our code base
- Worked on new architecture patterns and solutions
- Developed new features based on product initiatives
- Worked with Product Development, Product Delivery, and Android engineers to deliver new features
- Mentor several engineers to help them grow their craft

DEXCOM, SAN DIEGO, CA

SENIOR STAFF SOFTWARE ENGINEER, FUNCTIONAL GROUP LEAD (ANDROID)

September 2020 - July 2021

STAFF SOFTWARE ENGINEER, FUNCTIONAL GROUP LEAD (ANDROID)

March 2018 - September 2020

SENIOR ANDROID DEVELOPER (CONTRACTOR)

August 2017 - March 2018

- Lead Android Developer writing a modular library that contains our entire Dexcom Continuous Glucose Monitoring system that partners will be able to integrate to have Glucose Readings within their app using Kotlin, LiveData, Room, OkHttp, Moshi, Retrofit, Coroutines, and View Models
 - Lead Android Developer for Dexcom Follow using Kotlin, LiveData, Realm, OkHttp, Retrofit, Dagger2, and View Models
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- Lead Android Developer for Dexcom Glucose Program using Java, SQL CIPHER, and integrated with a Fitbit companion app written in JavaScript
 - Developed an app that communicated with a Dexcom transmitter via NFC and BLE
 - Helped 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
 - Helped start and lead the Android Steering Committee
 - Helped start and lead the Mobile Operations Committee
 - Created a computer science library to share developers' books with each other

PEACE OPERATIONS TRAINING INSTITUTE (POTI), WILLIAMSBURG, VA — 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.
- 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.
- 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.
- Manage one local developer and one remote developer

CADMIUMCD, FORREST HILL, MD — LEAD ANDROID DEVELOPER

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.
- Managed Linux-based environments for development, testing, staging, and production deployment of the website.
- Maintained Enterprise JavaBean for queuing large work tasks

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
- Managed BEA Weblogic Portal while developing new portlets, maintaining system functions, and integrating software to be used within the portal
- Developed JADE agents to communicate between JBoss portal and simulation engine

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.