

SIERRA R. OBRYAN

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SUMMARY

Senior Application Developer with three years of experience in Android Mobile Development and Java Development. Knowledge of Software Development Life Cycle, designing, developing, deploying, debugging, and maintaining enterprise software; experience with MVVM design patterns, Android UI material design, activity and fragment creation and ViewModel logic implementation, consuming RESTful web services, and designing and creating services; highly motivated with a strong analytical background in research and problem solving.

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|-----------|----------|------------------|
| • Android | • Java | • Android Studio |
| • REST | • Kotlin | • Eclipse |
| • XML | • JSON | • GIT |

PROFESSIONAL EXPERIENCE

Northern Kentucky University, Highland Heights, KY 2019
Mobile Developer, Center for Applied Informatics

- Read Ready Covington – Lead developer for the conversion of the previous Android mobile application and architecture to adhere to MVVM design patterns. Updating the application to use Android View Model libraries, LiveData, Fragments, Navigation, Butterknife, and general Android best practices. Design decisions for UI interface integration with Material Design standards and expected customer behavior.

Callibrity IT Consulting, Cincinnati, OH 2018
Software Developer, Kroger

- Implemented the conversion of the frontend pharmacy website to utilize React libraries.
- Convert previous Java backend service tier to Kotlin with use of RxJava.
- Enhanced email service for customer notifications from the pharmacy.

Cardinal Solutions Group, Cincinnati, OH 2017 – 2018
Senior Mobile & Application Developer, Digital Banking

- Maintained strong professional relationships with a diverse group of project managers, QA, design, and other developers to collaboratively enhance the mobile development lifecycle during a companywide agile transformation.
- Detailed understanding of the existing complex architecture between the Android mobile client and the digital java service layers, database structures, and internal and external third party systems (including Zelle) to enable modification, implementation, testing, and debugging at all levels.
- Created and consumed RESTful services to retrieve and parse data in JSON format, connected to large database structures and retrieved / updated data via SOAP services and SQL statements, created custom data mappers and helpers to pass correct and protected data throughout process.
- Designed and implemented new REST APIs in a largescale Java enterprise Web Application adhering to engineering guidelines, processes, and procedures and gained a working knowledge of the service architecture and Spring.
- Gained experience working with UX designers and stakeholders to define customer personas, to then explore and tell the story of our personas experience with journey mapping sessions, and, based on the outcomes of these sessions and user testing, to plan and prioritize the long-term product strategy via vision workshop methods and how to best implement new flows into the current mobile application.
- Instrumental in guiding the direction of the application architecture to maintain overall Android best practices including adhering to Material Design standards, migration to MVVM design patterns, the Retrofit library, and reactive programming.

- Worked with Android Support and Architecture libraries (Appcompat, RecyclerView, Lifecycle, ViewModel) and third-party libraries (Retrofit, Dagger, Proguard) following industry standards and Google recommendations.

JP Morgan Chase & Co., Columbus, OH

2015 – 2017

Android Mobile Developer, ChasePay

- Worked closely in the mobile development lifecycle, from design and development to product support.
- Worked with project managers, QA, design, and other developers to enhance applications.
- Gained experience with Android UI design, optimizing different screen sizes, different Android versions and devices, and designing custom Layouts, List Views, Fragments, and Activities
- Implemented MVVM design patterns with Retrofit and converted previous implementations of MVC patterns with Mortar and Flow.
- Consumed REST services to retrieve and parse data in JSON format.
- Used Fragments, Content Providers, etc. to implement new and advanced features.
- Worked with Android Support libraries (Appcompat, RecyclerView) and third-party libraries (GSON, Butterknife, Retrofit).
- Experience with Agile development cycle and peer review process using SourceTree and Git.

Application Developer, Cloud Development

- Developed and integrated automated High Availability Proxy configuration implanting Consul for service discovery and failure detection of internal cloud services in Openstack via Ansible scripts.
- Developed a Spring-Netflix-Cloud application to demonstrate the capabilities of Netflix OSS cloud services for service registry (Eureka) and resiliency (Hystrix).
- Worked on feature enhancement and implantation for java-based PowerDNS client.

EDUCATION

Master of Science in Computer Science

Northern Kentucky University, Highland Heights, KY

Relevant Coursework: Advanced Android Design, Data Structures and Computer systems, Theory of Computation

Master of Science in Physics, 2015

The Ohio State University, Columbus, OH

“High Resolution XUV Spectrometer: An overview”

Relevant Coursework: Advanced Electricity and Magnetism, Computational Physics, Thesis Research

GPA: 3.762

Bachelor of Science in Physics, Bachelor of Arts in Mathematics, 2013

Thomas More College, Crestview Hills, KY

GPA: 3.9

TECHNICAL SKILLS

Programming Languages: Java, Kotlin, Swift, C++, Mathematica, MATLAB, HTML, IDL

Development Tools: Android Studio, IDEA IntelliJ, Eclipse, Notepad++, Vim, SourceTree

Web Services: REST, SOAP, XML, JSON

Libraries: RxAndroid, RxJava, Retrofit, Dagger, Android Architecture, AppCompatActivity, Proguard, Butterknife, Espresso, Mockito

Frameworks: React Native, Spring, MVVM, MVC

Other Computational: Inventor, image processing via AIP4Win, simulations with Physics of Eclipsing Binaries

Data Collection: Laser lab safety, High harmonic generation, optical alignment, biological lab safety, data collection with spinning disk confocal microscope

Other: Strong written and verbal skills, problem solving and research background, leadership skills, networking

PRESENTATIONS AND CONFERENCES

Participant: Ohio DevFest, Otterbein University (Westerville OH, November 2017); Invited Guest: Northern Kentucky University [Center for Applied Informatics](#) Griffin Fest (Highland Heights KY, October 2017); Invited Guest: Miami University Honors Engineering Fraternity Networking Event (Oxford OH, September 2017); Invited Speaker: **Careers in Physics Panel** – Conference for Undergraduate Women in Physics, Ohio State University, (Columbus OH, January 2016)

COMMUNITY OUTREACH

Juvenile Diabetes Research Fund, Emerging Leaders Council, Cincinnati, OH
UpSpring, Committee Member, Cincinnati, OH
Little Brother – Friends of the Elderly, Cincinnati, OH
Cardinal Solutions Women's Leadership Group, Cincinnati, OH
JP Morgan Chase & Co. Force for Good, Columbus, OH
JP Morgan Chase & Co. Code for Good, Columbus, OH
Girls Reaching to Achieve in Sports and Physics, Columbus, OH