

Atlanta, GA

Daniel Tsema

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Summary

- United States Department of Defense Secret Security Clearance (Active)
- Graduating with B.S in Computer Science April 2024
- danieltsema.com/references.pdf

Experienced developer with a diverse background in creating applications, ranging from social media consumer apps to enterprise data management. I am passionate about my work and thrive on the evolving challenges that come with it. My goal is to make a direct, positive impact on the efficiency and longevity of a business's technological infrastructure. I am proficient in multiple programming languages and always eager to learn new frameworks and skills. Currently holding an active DoD Secret Security clearance. For more information, please visit my personal website: danieltsema.com.

Skills/Experience

(8 Years)

- *Professional working experience:* Kotlin, Java, Android SDK, Objective-C, Scrum/agile methodologies, XP, CI/CD, DevOps, iOS SDK, JavaScript/jQuery, HTML, CSS, PHP, Python, Django, SQL, VBA, Windows 2016 IIS server, Windows, Mac, SQLite, Postgres, Mysql, MSSQL server, Gradle, XML, JDBC, JSON, Android SDK, NDK, Google Places API, Google Maps, Git, Android Studio IDE, Firebase, RESTful Api's, UI constructs (View, Controller, Recycler), HTTP, HTML, REST architecture, RxKotlin, Kotlin Flows, LiveData, Coroutines, JUnit, Oxygen Editor, ArborText editor, Tomcat server, XSLT 3.0, working with highly sensitive datasets and more.
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Employment

Software Developer
Full-time

American Data Solutions
(ADS)
MDDV.com

Oct 2023 – Currently Employed

- Developed and maintained the MDDV (Multipurpose Digital Data Viewer) application, a Class-6 IETM (Interactive Electronic Technical Manual) built-in CSDB (Common Source Database), providing the best support for S1000D, SGML, DITA, PDF, and integrated digital wiring.
- Collaborated with a team to support S1000D manuals for aircrafts and parts, serving US Air Force and international military clients.
- Implemented Java/Kotlin backend and Angular/JS frontend for MDDV, transforming aircraft manuals into an interactive format with extensive tools for search, navigation, referencing, and more.
- Integrated MDDV with Oxygen Editor, ArborText Editor, and XSLT processing to convert large datasets into the MDDV format.
- Managed and processed large, highly sensitive XML datasets for MDDV.

Software Developer
Full-time

E4 Technologies
US Army Software Solutions

November 2021 – June 2023

- Spearheaded application development for the US Army, enhancing field medics' ability to capture, process, and manage patient data.
- Collaborated and heavily contributed to the entire development lifecycle—from inception to production.
- Worked on solutions to collect and integrate patient intake process into the cloud to solidify workflows and prevent loss/corruption of data.
- Integrated remote (BT, Socket, BTLE) technologies to facilitate accurate collection of sensor data.
- Created wireframe designs and adhered to solid UI/UX principles.
- Contributed to the Tactical Telemedicine Enhanced (T2E) project under Army Medical Command (MEDCOM).
- Designed, developed, and maintained five Android applications utilizing Kotlin and Java.
- Leveraged a wide array of technologies including SQLite, Postgres, Mysql, MSSQL server, Gradle, XML, JDBC, JSON, Android SDK, NDK, Java, Kotlin, Google Places API, Google Maps, Git, Android Studio IDE, Firebase, RESTful Api's, UI constructs (View, Controller, RecyclerView), HTTP, HTML, REST architecture, and more.
- Ensured adherence to Object-Oriented (OOP) principles and continuous integration/delivery (CI/CD) strategies.
- Integrated modern design patterns and architectures including Observer (using RxKotlin, Kotlin Flows, LiveData, Coroutines), Repository Database Design, and MVVM (with ViewModel, LiveData, DataBinding).
- Maintained top-tier code quality through JUnit testing.
- Collaborated within an Agile/Scrum environment, optimizing application performance and concurrency management.
- Built and integrated APIs using C#/.Net and showcased proficiency in UI constructs, REST architecture, multithreading, and more.

Software Developer
Full-time

Chimera Innovations
Business Solutions

November 2018 - Sept 2021

- Collaborated with enterprise and personal clients throughout the development lifecycle to design and implement solutions.
- Independently communicated with clients to create and enhance software.
- Adapted to various roles and technologies due to the nature of working in a small company.
- Pioneered the development of GTS Web, an enterprise-grade Django/JavaScript web application. This served as a comprehensive business management tool encompassing features such as patient intake, medical appointment handling, contractor payroll, scheduling, insurance management, billing, invoice generation, location mapping, SMS reminders, and email API integrations. Technologies harnessed: Django, PostgreSQL, React, Redux, Twilio SMS API, and SendGrid.
- Devised and enhanced enterprise Android applications for Ole Mexican Foods using Java, Kotlin, Android SDK, and Retrofit:
 - Ole DSD: Facilitated the invoicing of direct store deliveries with features like custom Bluetooth receipt printing, automatic document detection using OpenCV, invoice management, and product integration.
 - Ole Survey: Designed for in-store product surveys with capabilities like location tracking via Google Maps API, pricing computation, and inventory oversight.
- Developed SoundCapsul, a dual-platform solution for the entertainment sector, combining an Android app and a PHP/JavaScript web application. Technologies utilized: PHP, Laravel, MySQL, React Native, Firebase, and WebRTC.
- Contributed to the social sphere by creating The Praise Report App using Flutter for cross-platform functionality, catering to the Christian community and integrating Firebase authentication and Firestore for data storage.
- Established TheBlackPoint app, designed specifically to highlight and navigate black-owned businesses and events. Technologies integrated: Java, Kotlin, Firebase Realtime Database, Stripe for in-app purchases, and Firebase for push notifications.
- Throughout my tenure at Chimera Innovations, I consistently harnessed diverse technologies and platforms to create tailored solutions, emphasizing user-centric design, efficiency, and modern integration principles.

Software Developer
Part-time

Arksia.com
Freelance

2016 - Present

- Working independently with small business clients to create, develop, and support solutions for their business.
- Designed, developed, and deployed Django/JavaScript, Android, and iOS applications serving as the client's

- fundamental business management application.
 - Articulated the vision for ocgeorgia.com, designing and launching a real estate marketing website that captures the essence of property showcasing using WordPress, Elementor, and MySQL.
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Education

- Inspire Idaho Connections Academy H.S - May 2014; Graduated with a 4.28 GPA and high honors.
 - WGU (Western Governor's University) - Currently enrolled, pursuing a B.S. in Computer Science. Expected graduation early 2024.
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Other

- United States Department of Defense Secret Security Clearance (Active)