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Summary

Currently I'm working on Identity/OAuth Authentication related features in my team. I have gained breadth wise knowledge on different modules in SDK for cross platform IDE that Kony/Temenos during my tenure. I have provided various public Identity & other module public APIs to be used by world. I have been awarded with various spot/team awards and some individual award. I recently got an individual award for designing/Implementing and Shipment of reliable Identity features. I am passionate towards new opportunity for an exposure to learn and grow in my carrier. I have passion to work with product team.

Experience



Senior Software Development Engineer

Kony, Inc.

Jul 2019 - Present (1 year 7 months +)

Designed & Worked in Identity/OAuth2.0/SAML Authentication related features in SDK.

- Designed and Implemented secured cookies deletion as a part of logout. As SDK session used to get attached to Identity and Middleware/MW . Previous logout only used to delete session with Identity servlet and stale session cookies (created by MW used to remain as it is) which in subsequent login by different user enabled the 2nd user to see data of first user.

- Designed and Implemented Refresh Login feature in OAuth providers. Previously user always has to login giving his credentials whenever he wants to use services after killing the app using Access token. After this feature user has to give his credentials only at first login time, afterwards we used to refresh session using refresh grant type.

- Designed and Implemented PKCE which is a Identity Application Security enhancement. OAuth 2.0 provides a version of the Authorization Code Flow which makes use of a Proof Key for Code Exchange to identify malicious user asking for access tokens. Lead the work by Collaborate with SDK ,Identity, Frameworks(for Cryptography APIs) & PM(for decision approval) team as 1 vector team.

- Worked in SDK team under Offline Objects module (also known as syncv2)

- worked on enabled downloaded batching that supports downloading only delta changes from server instead of downloading all data every time.

- worked on porting hierarchical upload from native platform to SPA sub-platform.



Software Development Engineer

Kony, Inc.

Sep 2017 - Jun 2019 (1 year 10 months)

Worked in SDK team under a module called IST (Intermediate Session Tracking). This module is used to generate session per app launch on any platform on client and record it on server for (Session Tracking and App performance monitoring).

- Worked on reducing coupling from different frameworks teams. Reduced the number of artefact from 4 (for each sub-platform js/android/ios/windows) to 1 artefact that can work for all sub-platforms.
 - Wrote pre-check-in unit test-cases and nightly E2E. There hadn't been testing code written. Increased code coverage from 0 to 80%+. The Node test server modules were written for SDK code-base to evaluate successful working of APIs.
 - Differentiated Interactive/Non-Interactive sessions. This was needed as session used to get generated every time whenever app was in run and customer was billed but there are some cases when user might not use the app like in cases of seeing and discarding push-notification or SSO login broadcast etc.. We worked on to bill customer appropriately after differentiated sessions to be Interactive or Non-Interactive.
 - Worked on serializing firing of IST calls, now no 2 parallel IST can be triggered.
 - Worked on guarding extra defensive check for session id to not get duplicate
 - Handled upgrade scenarios of bulk session in 1 IST call
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- Worked on decoupling of CMS module, CMS(custom metrics system) allows customer to create events on Cloud, manually or by using APM(App performance monitoring) which creates metrics events automatically on client device. Aligned the product to more SOLID engineering Principles
 - SDK had strong coupling with Android team, reduced the coupling. This helped in removing unwanted code getting shipped & improved security analysis. The job was done in Java code-base.
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- Worked on customer defects in L3 product team. This gave me breadth knowledge about SDK as we used to get tickets on various front of SDK team. Reduced overall ageing from 15 days to 4.49.



Intern

Kony, Inc.

Aug 2016 - Aug 2017 (1 year 1 month)

- Worked in SDK team under a module called sync framework (which is a comprehensive data synchronization platform that enables developers to add synchronization capabilities to mobile applications. Fundamental to Sync Framework is the ability to support offline access for applications, services, and collaboration of data between devices and the backend systems.)
- Picked-up various Engineering debt items.
- Enabled daily nightly end to end automation test-cases using TestNG as Sync Framework was a unstable product previously. Worked with Database systems and NodeJS frameworks to automate the testing. This helped us avoiding regression in production environment.
- Handled some of customer tickets Sync Framework which gave me more understanding of pain points of customer and our L3 team. This helped me understand customer value & people values and refining my communicator skills with cross teams.
- I worked on tickets and side by side started automating past tickets on Sync Framework.
- Wrote a Java tool that can write each entry/exit cut point of a function in js code automatically. This helped our L3 team in better logging and catching issues without even debugging. This tool was used later in SDK's js code as well to improve logging.
- Worked on some concurrency issues in Binary/Blob download feature where our code was not handling more than 20 parallel downloads.

Education



Lovely Professional University

Bachelor of Technology - BTech, Computer Science

2013 - 2017

CGPA 8.67

Skills

JavaScript • Java • TestNG • Jasmine Framework • Data Structures • Algorithms • Git • Programming

Honors & Awards



winner of hackathon competition - Temenos

Nov 2019

#winners of hackathon

official website - <https://www.temenos.com/news/2019/11/12/offline-payments-app-selected-as-winning-prototype-at-biggest-ever-temenos-innovation-hackathon/>

twitter account of Temenos: <https://twitter.com/Temenos/status/1194181800450494464?s=08>