Adam Steinberg

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OBJECTIVE

An accomplished full-stack Computer Engineer offering my expertise developing global enterprise level software in a vast assortment of languages to create, collaborate, and lead developing specialized solutions from inception to delivery.

EDUCATION

Florida Atlantic University (Boca Raton, FL)   Graduated - May 2013

Bachelor of Science – Computer Engineering   Cum Laude (With Honors)

SKILLS

- **Written and released software for iOS, Android, Web, Backend, and Database**
- ***Program Languages***: Java, Kotlin, Swift, C#, MS SQL, MySQL, JavaScript, XML, YAML, HTML, CSS, MatLab
- ***Operating Systems***: Microsoft SQL Server, macOS, Windows, iOS, Android
- ***Technology / Tools***: Git, Visual Studios, Xcode, JetBrains IDEs (Android Studio, PhpStorm, Rider, IntelliJ), Postman, Netbeans, Eclipse, VSCode, MS Office Suite, GitHub, Bitbucket, SVN, Confluence, Jira, Redmine, OpenVPN, VirtualBox, Superset, Splunk, Spring, XLR, Jenkins, CircleCI, Bamboo, Charles Proxy, Unity, Wamp, Swing, JDBC, TomCat, GraphQL, Gradle, Swagger, Firebase, Detekt, Figma, Epoxy, Dagger2, Retrofit, RxJava

WORK EXPERIENCE

Senior Software Engineer II – ***American Express*** - (Phoenix, Arizona)   March 2019 – Present

• Contributed to the success of Amex developing for Android [Java/Kotlin], iOS [Swift], and Backend [MSL-orchestration layer on backend using Java/Kotin/GraphQL/REST/SOAP] across four major projects: Amex Business App, Amex Go, M1 (main app), and Kabbage. These all across different scrums and as tech lead for many of the teams.

• Visit my website Adam-Steinberg.com for more details about my accomplishments at Amex.

• ***Amex Business App*** (ABA, formerly Spend Manager) was an app created for business and corporate card users to help manage and track their card expenses. Users can add receipt images, notes, categorize transactions, create expense reports, pay bills, and even oversee employee spending by setting alerts or limits on employee cards.

 • Engineer on MSL (Mobile Service Layer, orchestration layer of the backend that the client-side calls directly and MSL calls downstream APIs, validate data, and massage data for both the app and downstream APIs to properly consume).

 • Created and maintained server-side APIs written in Java and Kotlin to be consumed by web, iOS, and Android products to accept and return important data.

 • Collaborated with large and diverse teams of Android, iOS, web, middleware, and dev-op engineers troubleshooting, communicating, and understanding their needs, requirements, and issues reported.

 • Created and managed backend releases in Jenkins and XLR, monitoring logs in Splunk with creating alerts and dashboards to better help us monitor trends, and create Swagger docs.

 • Co-created a full uplift service from the ground up in GraphQL and REST all written in Kotlin.

 • Initiated several uplifts such as SOAP to REST migrations for some of our legacy projects, a common internationalization framework for our client negotiations, and co-created a full uplift service from the ground up in GraphQL and REST all written in Kotlin.

 • Created a test automation-ready set of Postman scripts preconfigured to work in any environment that can run individually or in a collection runner that authenticates, pre-sets variables, sends the requests, performs thorough pre/post tests, and delivers the responses with many real-time metrics that is easy to use requiring little configuration from the user.

• ***Amex Go*** is an app for creating and maintaining prefilled virtual credit cards provided from your company's corporate account to make business purchases without having to use your own money and wait for reimbursement. The app also allows for tracking transaction details, monitor your card's balance, add to Apple, Google, or Samsung Pay, and request for a physical card.

 • Developed for both the iOS [Swift] and Android [Java/Kotlin] apps, quickly ramping up on both.

 • For Android: Integrated the app with our internal error handling API tool creating queries and dashboard around, brought in libraries Detekt and Lint, worked closely with the security team to make changes to our API requests to mitigate fraud, co-converted 100% of Amex Go's Android Java code to Kotlin.

 • For iOS: Migrated all our endpoints and previous API contracts to a new service and onboarded, assisted, and mentored new Amex Go Engineers joining the team.

• ***Amex Enterprise App*** (main Amex app, also referred to as M1) has millions of downloads, stellar reviews, and constantly winning JD power awards.

 • Contributed in creating the iOS' new Receipt Capture feature for business card holders.

 • Wired up the new endpoint calls for upload/deleting along with creating proper testing and fixtures.

• ***Kabbage*** is a company for small business loans acquired by Amex in 2020. It still maintains much of its independence having its own web, Android, and iOS apps as well as internal tools it uses. The Kabbage platform has many features including Checking, Funding, Payments, Insights, and more.

  • Developed for both the iOS [Swift] and Android [Kotlin] apps contributing to 5 different teams on Kabbage.

  • Tech lead for iOS and Android on the Payments team (includes mentoring developers, leading meeting, distinguishing pain points, decision making on behalf of the mobile team, demonstrating best practices, taking initiative and responsibility for bugs and anything urgent).

  • Delivered new and reconstructed subsequent network calls on the Insights module to much of the underlying framework for REST and GraphQL endpoints on iOS.

  • Led the research and development behind biometric login and device binding on Android.

  • Created the boilerplate consumed by the rest of the Android team for our notification feature.

  • Gradually updated many modules' architecture from MVP to MVVM on Android.

  • Pushed for various SDLC changes for our teams to better our overall efficiency, transparency, efforts, and a clearer workflow between developers, UI/UX, product managers, and testers.

  • Led stand-ups and sprint planning meetings. Organized tickets, time estimates/story points, and priorities for the Android team.

  • Created the cross product sign up linking Amex users to Kabbage. This involved creating a brand new flow to the app and a set of screens, logic, and endpoints to tie the new code with our current standards with legacy code.

  • Brought in many new technologies and created easy to follow common functionality around it. This includes local encryption, KeyPair generating/signing values with KeyPairs, Bill of Materials, Google Play Integrity API. New code also involved writing clear and detailed of documentation for the team to reference.

Software Engineer – ***ASSA ABLOY*** - (Phoenix, Arizona)   June 2015 – March 2019

• Developed for the premier door and hardware suite, Openings Studio, for architects, contractors, distribution, and end user facility owners working in a 3D Building Information Model (BIM) environment.

• Using Java, VB, and MS SQL, my focus for Openings Studio was to provide a suite of BIM software tools for creating and visualizing 3D doors, frames, and hardware objects and modifying their associated parameters for use in design, construction, and facility management.

• Upon joining, Openings Studio was only available in English in the United States & Canada. One of my top priorities early on was to internationalize the product in order to have it be deployed on the global market. As a result, Openings Studio is now a global application in many regions of the world, translated in multiple languages, and with thousands of customers.

• Had ownership of development and design for major features, web services, and frameworks (new and existing) that affect and are seen by everyday users.

• Remained calm and focused "wearing many hats" in our fast-paced working environment to meet deadlines, give frequent demos and presentations, and resolve bugs, urgent issues, and ad-hoc requests.

• Managed and took ownership of the database for our company's price book catalog containing millions of records of products, pieces, and prices.

• Worked closely collaborating with our local team of developers, always keeping an open mind, accepting feedback, helping others any chance I could get, and being a team player.

• Contributed to the upgrade deployment process of Openings Studio, our servers, and databases at the end of our sprints, during off-hours.

• Openings Studio, besides being a stand-alone application, provided a plugin to connect buildings, models, & floor plans with AutoDesk's Revit, one of the largest and most widely used CAD Building Information Modeling software available.

Owner / Engineer – ***Digidemic, LLC*** - (Remote)   August 2012 – Present

• Digidemic was founded in 2012 as a way to allow me to release my software and applications to the world. Since then a diverse collection of Android applications, seven open-sourced software libraries, and multiple websites have been released under the LLC. All of which were designed, developed and built from the ground up solely by me.

• More information on these projects in the section below or on my website Adam-Steinberg.com

Senior Software Engineer – ***ProcessMAP Corporation*** - (Sunrise, Florida)   June 2013 – June 2015

• Developed and debugged the front & back-end of a SaaS web & mobile application supporting large volumes of concurrent requests. I was involved in the gathering of functional/technical requirements, creating proof of concepts (PoC's), creating & introducing frameworks to both client and server side, and using Team Foundation Server (TFS) to create, assign, and resolve tasks/bugs.

• Provided guidance, best practices, and helped manage & grow the skills of the development team locally & overseas.

• Created & maintained a strong working relationship while collaborating with the Product Management, Design, Architecture & Engineering, Business Analyst, and Account Management Teams to define clear requirements, deliverables, and timelines for mobile & web applications, designs, and development.

• One of the lead developers for the company's mobile application built from the ground up. Created much of the framework in a manner where code is efficient, reusable, dynamic, and is used by the entire team of developers. The

application was built around AngularJS & pure JavaScript to provide a clean, fast, and responsive solution to be easily adapted anywhere.

• Architected and implemented a dynamic manager for charts and stats (dashboards) for the company's web solution on the client side using HTML5, JavaScript (jQuery, Knockout.js, Ajax/JSON), and CSS3.

• Implemented SOA web services in C#/WCF for web & mobile applications.

• Wrote and maintained SQL stored procedures, tables, & functions which the entire catalog of products heavily relies on.

• Performed database synchronizations between multi-active databases using RedGate.

• Researched & evaluated new technologies, products, and product enhancements with a focus on end-user usability, efficiency and intuitiveness.