ALEX B. SILVA

[aadbfs.github.io](https://aadbfs.github.io/) | 925.808.9321 | [aadbfs@gmail.com](mailto:aadbfs@gmail.com)

**Software Developer**

**EDUCATION**

**Bachelor of Arts, Political Science | University of California, Berkeley** 11/2013

**Bachelor of Science, Computer Science | Oregon State University** 03/2017

###### TECHNICAL SKILLS

**Operating Systems:** Windows, UNIX, Linux, Virtual Machines

**Languages, Scripts, Databases, Markups:**

Java, C & C++, Python, Assembly x86, Kotlin, Solidity

bash, JavaScript, AJAX, Typescript, PHP, nodejs

XML, HTML5, CSS3

MySQL, MongoDB, Android SDK

JQuery, AngularJS, Angular, ReactJS

**APIs:** Hogan Banking API, Facebook API, Google APIs, self-created APIs

**Web Services:** AWS, Microsoft Azure, Google Cloud, PuTTY SSH

**Tools:** Visual Studio, Maven, shell, MCUxpresso, Android SDK, Bootstrap

**Testing services:** JUnit, Mockito, PIT Mutation Testing; standard testing theory application

**Artificial Intelligence:** Microsoft Bot Framework, Natural Language Processing, LUIS, Power BI

**Blockchain:** R3 Corda, Ethereum

**Wireframing:** myBalsamiq and other graphic interfaces

**Project Development:** Agile, Scrum, Waterfall

##### PROJECTS available on [aadbfs.github.io](https://aadbfs.github.io/)

* **Budgeting App**: a budgeting app that allows banking customers to budget future income & expenditures
* Utilizes Angular, Typescript, and the Hogan API.
* The app therefore has two main uses cases: for customer service and for banking investments / market research. Also includes a conceptualization for an AI use case.
* **Towerbirth game:** tower defense video game
* Utilizes Javascript, phaser.io, and HTML5.
* Worked on: art and sound assets, Level design, UI prototyping and production, AI for enemies and player towers, Item and gameplay logic, Sprite animation, Team Lead.
* **Android SQL Demo**: Android SQLLite app using Android SDK
* This simple demo showcases my ability to use SQL and the Android SDK in order to make an app.
* **Database**: Game of Thrones database of characters from the TV show using PHP
* This demo demonstrates my ability to use PHP, as a well as a broader understanding of database management, creation, and usage.
* **FTP server and client**: transmits files between a server and a client using Java, Python and C languages
* This demo represents my capacity to grasp the finer details of server/client communications. Using byte arrays, two people can send files to one another.
* **Buddify:** high-end prototype for a mobile web application using myBalsamiq
* Tinder, but for gym buddies.
* The concept is that the app will be powered by a smart algorithm that takes people’s individual preferences and expands them across the wider universe in order to match them with people most like them.

AWARDS

**Celeritifit Hack the Core 2017 –** Innovator of the Year Award for the Budgeting App

PROFESSIONAL EXPERIENCE

**Consultant, Philhour and Associates** 01/2014-12/2014

* Developed and deployed websites for political campaigns
* Created and deployed social media, email, press, and general communication strategies for campaigns
* Coordinated event management, staffing and promotion
* Fundraised several hundred thousand dollars for different candidates each quarter