Résumé of **ANTHONY DREESSEN**

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EMPLOYMENT HISTORY

Technical Lead, AWS   Jun 2022 – Present
Lead engineer on a skunkworks R&D team providing automation solutions to various regulatory applications
- Create internal aws platform to automate high judgement tasks
- Automate rasterized (protected) PDF text & semantic search in the cloud
- Expose authZ/authN mechanisms for other partner teams to utilize for hosting on shared platform
- provide much needed technical guidance
- Provided outsized impact relative to team size

Senior Engineer, Microgroove   Mar 2020 – Jun 2022
Consulting on a variety of interesting projects
- Most highlights are under NDA
- fully rework a flash animation into a react application before flash was hard deprecated: https://jazzinamerica.org/HerbieHancock

Senior Full Stack Software Engineer, Voom, an Airbus   Feb 2019 – Apr 2020
Company
Develop out all layers of the application Postgres / Rails / React/RN for helicopter ridesharing application running internationally out of Sao Paulo, Mexico City, and San Francisco.
- Develop custom React Native components for interfacing with native mobile code library of Adyen, our payment processor.
- Gain expertise in React and React Native patterns and best practices (hooks, contexts, React Navigation, axios), gain team buy-in, and migrate codebase into a modern, clean syntax.
- Design "playground" exercises to help mentor teammates into becoming more comfortable with modern React syntax
- Implement universal links on React Native which had enough gotchas to warrant its own blog post.

Full Stack Engineer (Mobile FE), Snap! Raise   Nov 2017 – Feb 2019
Develop out both the Rails API and the Swift frontend. Endpoints developed in Rails were also consumed by the Android team. Testing evangelist and expert, backfilling dozens of untested files and functions as part of our KPI goals as an engineering team.
- Introduced DI into iOS project
- Introduced automated unit testing into iOS project
- Developed most used feature on iOS (WWYDW)
- Revamped networking layer to use service-based architecture
- CodeClimate complexity metric shows that my commits reduced the complexity of the codebase by half

iOS Engineer, Victorious   Feb 2017 – Aug 2017
Create interesting and engaging experiences for users of the Victorious platform. These generally include video streaming/video data playback/management/recording CDN. Heavily tested, though not TDD. I was responsible for CI management, bug tracking, issue

handling, story creation, product design, technical design. During my time I made large, sweeping refactor changes to the codebase that were vetted by my team members and noted to be improvements on QOL for developers.

- Developed Video Reactions feature and associated tests
- 2-stage setup allowing for finer-grained control of remote resource initialization. This allowed for decoupling of different forms of template information.
- Constructed easy way for object serialization/deserialization for communication over REST as JSON representation.
- Transitioned codebase from Jenkins CI solution into using Circle CI
- Orchestrated complex REST-iOS handshakes to store and video data in a way that appeared seamless to the user
- Set up Fastlane automated deployment pipeline
- Oversaw transition from proprietary 'command-pattern' Operation asynchronous communication method with backend into 'object-pattern' Promise asynchronous communication method
- exposed new and more efficient "seams" into which tests were and could be placed
- Realtime chat functionality through communication with Firebase messaging system

iOS Engineer, Onward   Sep 2016 – Feb 2017

A company whose platform is designed to help people reduce their internet use in areas they feel they overuse. I was largely responsible for displaying the large amounts of time data in a performant, beautiful, interactive graphical interface, though I had a hand in the design of the AI chatbot that is working behind the scenes as well as porting the VPN from an older version of swift to a newer one.

- Used CoreGraphics and CoreAnimation to construct highly customizable and performant circle graph component
- Ported mac client from older version of Swift into newer version.
- Built installer application for mac client that implemented auto (background) updates
- Ported VPN code from an older version of swift to a newer one requiring the rewriting of low-level (C) code and the interfacing between it and swift
- Monitored crash reports. Diagnosed and fixed bugs as they appeared when time permitted
- Narrated step counter feature
- Automated emails and messages to accountability partners feature
- 'No Lag' unbounded scaling graph plotting huge amounts of internet usage data feature

Software Engineer, Pivotal Labs   Feb 2015 – Sep 2016

Consulting work for various enterprise companies as well as startups. Work on both assistant products as well as flagship products. Generally speaking, we're using TDD, CI, pairing, and heavy automation to not only build software but streamline the process for our clients. I've done both software work and operations/automation work that helps developers. Projects have included front end (mobile and web), back end, database work, and all three combined. Parrit: Side Project: A side project that came out of a need that we had while on one of my client teams. A pair rotation management tool that helps make sure that there are no knowledge silos on a team. I rallied a group of people to make this happen and continue to do development on it.

- Large number of features and tests developed in Swift or Objective-C
- Location-based "offer near you" feature
- StoreKit integrations
- Sweeping refactors that broke apart monolith classes into clean, discrete classes and allowed for the removal of thousands of lines of unknowingly unused code

- Integration with third party authentication services as well as keychain and touchID services
- Large numbers of UI redesigns
- Greenfielded project using Postgres, Spring, JUnit, React/Redux, Jasmine, Node.JS, webpack, AWS
- Contributed to the creation of everything in the application from database all the way through the front end.
- Rails/Backbone work developing large number of features and recommendation engine with associated tests in rspec, Jasmine, and Selenium/PhantomJS
- Constructed mock back end servers in both Rails and Spring to assist in writing Integration tests where server features had not yet been developed
- Spring/Angular work with associated tests
- Contributed to product direction meetings
- Advised on framework decisions
- Interviewed candidates

Software Engineer, Levatas   Dec 2013 – Jan 2015
Modern "full shop" agency where design meets technology. Involved designing and building websites and applications for various clientele to help them meet their marketing goals. Clients included HSBC, Cisco, Duffy's and more
- Developed Staff front-end software using Dojo to assist in loan origination
- Developed ip address and router requirement projection simulation application in Flex
- Maintained chat application in iOS and Android

EDUCATION

Cultural Anthropology – Bachelor (BA)   Completed in May 2012

Psychology – Bachelor (BS)   Completed in May 2012

AWARDS

Best Game   Awarded in 2014
HackLab North Boynton
Winner of Best game in the 2014 HackLab gamejam

SKILLS

Web Development
Advanced
- HTML
- CSS
- Javascript
- React
- Typescript

Mobile Development
Master
- iOS
- Android
- React Native
- Flutter

API Development
Advanced
- Spring Boot
- Rails
- REST
- Sockets
- AWS

Automated Testing
Master
- jUnit
- Jest
- Capybara
- rspec
- Quick/Nimble
- Hydra
- Cypress

CI/CD
Advanced
- CircleCI
- Jenkins
- Fastlane
- @amzn/pipelines

DevOps
Intermediate
- Apache
- Gradle
- DigitalOcean
- Linux
- AWS CDK

DBA
Advanced
- Postgres
- AWS RDS
- AWS QLDB

INTERESTS

- Ecology
- Outdoors
- Arts

REFERENCES

I consider myself very fortunate to have work with Antoine. He proved himself an essential part of the development team early on. His knowledge on Software and Testing methodologies helped not only elevate our enterprise mobile application but our internal API. Anyone to have Antoine in their team will be very fortunate. He is a amazing developer with a great attitude, strategy and enthusiasm. I enjoy working with Antoine and will be very happy to work with him again.

— Luis Castillo