

# Adam Duren

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## OVERVIEW

Building software is my passion. I have worked in many environments including a large company, development agencies, as well as freelancing. In doing so I discovered that working directly with the customer and helping guide the project from start to finish to be the most rewarding. I decided to start my own consulting company along with a career long colleague. Since doing so I have been rewarded by working on the most interesting projects of my career. My primary engineering experience is as a full-stack developer fluent in both Angular and React on the front-end and Django, Node.js, or Firebase on the back-end.

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## SKILLS

<b>Languages and Frameworks</b>	JavaScript	Python	Angular	Django
	Ionic	React	HTML/CSS	Firebase
<b>Other skills</b>	Test Driven Development	Scrum / Kanban	Ansible (DevOps)	Linux
	Progressive Web App (PWA)	Amazons Web Services (AWS)	Networking	SQL

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## EXPERIENCE

**CTO at Northern Logic** June 2015 – Present

- Built a credit card viewing and autofill browser extension that pairs to a mobile app which generates one time use credit cards
- Built a web app that securely pairs with an app on a users device to manage email, text, contacts, and credit cards.
- Implemented a Progressive Web App for a golf site which will target consumers on all platforms with one code base. Therefore saving the client money while delivering a native experience.

**Drive Current, Inc.** *Senior Software Engineer* March 2014 – June 2015

- Led a team of engineers in building a dynamic marketing and analytics platform for the auto industry.
- Worked on a hybrid cross-platform app in Ionic to help streamline inefficiencies in the lifecycle of shipping a car.

**Cerner Corporation** *Software Engineer* October 2012 – March 2014

- Built an analytics solution used by over 300 hospitals to monitor system performance and optimize user workflow.

**Drive Current, Inc.** *Software Developer* November 2011 – October 2012

- Helped build the largest car transport network in the US with over 12,000 users and around 2 million views a month.
- Implemented a message queue service with RabbitMQ that sends millions of email / text notifications a day.
- Worked on a clustering algorithm to enhance performance UX on a map with thousands of data points.

**Independent Contractor** November 2006 – July 2011

- Developed software for a number of clients, built for the web and cross-platform.
- Built a web portal for the city I lived in at the time.

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## EDUCATION

**University of West Florida** *BS in Computer Science*

2011

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## Projects

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### **Wimsy – Self**

The premise is to own your creativity. When you upload to a social network you relinquish your creative rights to the media unknowingly. The social network gets to profit from it and although you are the contributor you get nothing. Wimsy hopes to change that.

Wimsy is a hybrid mobile application written in Angular and Ionic. This approach targets multiple platforms with one code base. It provides backs via FTP/SFTP to the server of the users choice and also can publish content to a website that it generates. This required me to develop a plugin for Cordova that allows me to pass files from the Web View to the native Java plugin which handles uploading data to the server. It is open source for Android and the iOS plugin component is coming soon. I have also gained the experience of a fixing a few bugs and contributing to the Apache Software Foundation.

### **GreatGreenFees – Independent Contractor**

GreatGreenFees is a site for Golfers to find deals near them and to help Courses drive more Golfers to their businesses.

I am currently the sole developer which has required a combination of Product Owner, QA, and development roles. As a Product Owner I have weekly meetings with the client to discuss progress, priorities, and to help form a strategy to catch-up to and surpass competition. Since starting we've started to build out an API for Angular to consume using Django Rest Framework (DRF) as opposed to Django building all of the views. In this process I have started to develop two libraries which I hope to open source. The first reads the metadata from DRF to help create forms and provide validation for free which allowing the developer to still control layout if and when its needed. The second one is a pagination library that abstracts out the complexities of querying over large sets of data and displaying them on the page.

### **SmartCastG – Drive Current**

SmartCastG is a platform that allows marketing companies to host dynamic campaigns and is the first of it's kind to track the entire sales conversion funnel from radio/TV/paper ad down to the sale at individual dealerships participating in the campaign.

This project was developed in Django and Angular on AWS. We made a number of angular components that creative designers could utilize when designing the campaign microsites so that they could customize the look and feel while encapsulating complex logic such as querying data for vehicles associated with the sale. Various cron scripts integrated with Dealer Management Systems to extract sales and inventory data on a periodic basis. On the AWS side we use the Elastic Load Balancer to perform SSL termination and to distribute requests across the web servers. In the event a server has issues the health check removes it from the pool. We can add EC2 instances to scale up the number of requests we can handle at any point in time. For the database we use Amazon's Relational Database Service.