



Caleb Simmons

FULL STACK WEB APPLICATION ENGINEER

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Caleb is a web application engineer living in Baltimore County, Maryland. Throughout his career, Caleb has worked on projects that have improved his employers' customer relationships, business analytics, and overall productivity. Caleb studied Mathematics and Statistics at the University of Maryland, Baltimore County. During his studies, Caleb became knowledgeable of sophisticated Machine Learning techniques that he implements in his applications for automated decision making. Caleb dedicates himself to being a polyglot programmer and life long learner, so that he can use the best possible tools to solve the problem at hand.



WORK EXPERIENCE

Sogeti USA, LLC.

Consultant

05/01/2017 - Present

<https://us.sogeti.com>

- Expert on front end architecture, cloud infrastructure, and hybrid mobile technologies
- Became a trusted advisor to clients by always delivering above expectations and making recommendations based on the best interests of the client
- Provided advice to consultants nationwide to help Sogeti win bids and maintain delivery excellence

Client - Amtrak

07/28/2017 - Present

<https://amtrak.com>

- Delivered UI enhancements for tickets.amtrak.com using mastery of several front end technologies
- Developed a completely new solution for train seat selection during trip booking, a feature that did not exist beforehand
- Made recommendations for the front end architecture for the future of Amtrak's web projects
- Supervised enhancements of Amtrak's mobile application built using the Ionic framework
- Identified vue.js as a power tool to build web components in Adobe Experience Manager, and started utilizing it across Amtrak's CMS

- Proactively sought out outstanding defects in production Java server code and fixed them

Freedmont Mortgage Funding

Web and Mobile Application Engineer

06/15/2015 - 05/01/2017

<https://freedmont.com>

- Gained industry experience by earning a mortgage loan origination license
- Built a proprietary mobile CRM using the Ionic framework
- Used Flask and Twilio to develop a mortgage lead distribution system via SMS
- Hosted Applications on Microsoft Azure and Amazon Web Services
- Built applications to update in real time with the Reactivex library
- Used existing software's APIs to build custom chrome extensions that integrated with legacy systems

Quantum Lean, LLC.

ERP Specialist

07/28/2014 - 06/14/2015

- Used a genetic algorithm to optimize scheduling efficiency
- Generated custom production reports with SQL
- Trained employees on Lean Manufacturing and ERP best practices

University of Maryland, Baltimore County

Erill Lab - Research Assistant

08/20/2012 - 05/21/2014

<http://erilllab.umbc.edu/>

- Helped maintain the CollectTF web application built with Django
- Used Python to construct and optimize computational biology models
- Presented research at multi-institution hosted conferences

EDUCATION

University of Maryland, Baltimore County

Mathematics

Bachelor of Science

08/21/2010 - 05/21/2014



SKILLS

Languages

- Javascript
- HTML
- CSS
- Typescript
- Python
- C#
- Java
- SQL
- R & SAS
- UNIX command line
- Windows Powershell

Front-End

- Angular.js (v1) & Angular (v2+)
- React
- Vue.js
- React Native
- Ionic Mobile Framework
- Phonegap
- Cordova
- Xamarin
- jQuery
- prototype.js
- sightly
- Sass
- Bootstrap

Back-End

- REST APIs
- Django
- Flask
- node.js
- .NET
- Java Server Pages (.jsp)
- SQL/Relational Databases
- NoSQL Databases
- Firebase
- Reactivex
- Microsoft Azure
- Amazon Web Services
- npm
- Adobe Experience Manager