

JOHN MACK, MBA

FULL STACK SOFTWARE ENGINEER

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I am a full stack software engineer who pushes clean code that is well documented and tested. JavaScript and Python are my two current go-to languages and I'm working toward developing expertise in Machine Learning. I can learn your stack quickly and integrate with your team well. I also have my MBA and entrepreneurship experience.

SKILLS

Languages	JavaScript, Python, SQL, NoSQL, HTML, CSS, PHP, Go
Front End	React, Redux, Bootstrap, JSON, Chrome Extensions
Back End	NodeJS, ExpressJS, Flask, RESTful APIs
Deployment	Git, AWS, Heroku, Netlify

PROJECTS

[Adventure Montana](#)

The Adventure Montana application is a project focused on the development of a Restful API (Node, Express, and Postgres) which powers a React / Redux frontend. The website provides basic functionality to discover outdoor adventures in Central Montana.

Technologies: HTML, CSS, React, RESTful Node/Express API backend, Redux, PostgreSQL, JWT Authentication

[The Spotify Playground \(https://the-spotify-playground.herokuapp.com/\)](https://the-spotify-playground.herokuapp.com/)

The Spotify Playground is a fun application allows for the intelligent seeding of more than 35,000,000 songs using Spotify's powerful recommendation engine built using the Flask framework which utilizes the MVC design pattern.

Technologies: HTML, CSS, Bootstrap, JavaScript, Python, jQuery, Flask, OAuth2

EMPLOYMENT

North 40 Outfitters, *Web and Application Developer*, **Great Falls, MT**

Oct. 2020 - Current

- Maintain large Magento 2 e-commerce website with over 85,000 SKUs
- Extensive PHP experience in object oriented LAMP stack
- Manage data flows and integrations to and from Magento 2 to ERP system and several other data services
- Tweak frontend styling via LESS preprocessing and vanilla CSS

Really Montana Photography, *Founder | Owner | Commercial Photographer*, **Great Falls, MT**

2017 - Current

- 90% of our marketing was enabled using various CMS platforms like WordPress, Shopify, and Squarespace
- Grew a photography hobby into a profitable \$100k business with 4 staff members in our 2nd year
- Launched a highly customized e-commerce site built on Shopify using Rails and Liquid

Lavender, *Frontend Engineer Internship*, **Remote**

June 2020 - July 2020

- Translate design files into performant code
- Fix and maintain code for the frontend (HTML, CSS, JavaScript), backend (Go), and Chrome extensions
- Push new features weekly as part of an agile, CI/CD process using Git

Great Falls Police Department, *Senior Police Officer | Detective*, **Great Falls, MT**

2012 - 2017

- Formalized the mobile device forensics program at the Department
- Launched the Department's first building-wide wifi network
- Developed a County-wide intelligence database and trained more than 150 users on its use

EDUCATION

Springboard Software Engineering Career Track 800+ hour hands-on curriculum with 1:1 industry expert mentor oversight and completion of 4 portfolio projects covering front-end, back-end, and full stack development. Mastering Javascript, DOM Manipulation, Git, Ajax, jQuery, Python, Flask, SQL, PostgreSQL, Node, Express, React, and Redux • First student to successfully complete this Career Track program out of 300 students	2020
University of Montana M.B.A. Business Administration	2011
Montana Tech B.S. Business and Information Technology Graduated with High Honors	2009