Michael Balmes ● michaelgregorybalmes@gmail.com ● 303-332-9438

Work Experience

Allegion
Cloud Engineer, March 2019 - Present
- Designed and implemented a serverless architecture with Azure functions, Storage Queues, and Event Hubs to improve data retention and cut server costs
- Provide on-call support for Apple for a Serverless API
- Develop RESTful microservices in C#
- Collaborated with a team of developers distributed across America and India

Tyler Technologies
Software Engineer, December 2017 - March 2019
DevOps Intern, May 2017 - August 2017
- Created functionality and UI for an online payment portal that processed several million in payments a year on an ASP.NET MVC and Microsoft SQL stack
- Added email reminders for new bills and past due accounts
- Ported web application to an Electron app for kiosks
- Implemented distributed page caching with Apache Ignite to improve load times
- Developed custom logging framework to fingerprint exceptions across products with ASP.NET, AngularJS, and ElasticSearch
- Created a BDD acceptance test framework in a movement towards continuous deployment

Lexmark International
Software Engineer Intern, May 2016 - August 2016
- Created a factory visualization and control web application from the ground up in MeteorJS
- Added functionality to an internal reporting system on a LAMP stack
- Maintained legacy control systems written C++

Education

Colorado School of Mines
B.S. in Computer Science
December 2017

Personal Projects

michaelbalmes.com
  Professional website and blog built in Hugo and deployed on Netlify

RAICS (Redundant Array of Inexpensive Cloud Storage)
Raics.readthedocs.io
  Distributed multi-cloud storage solution that applies RAID principles to the cloud to increase privacy and security, availability, and reduce vendor lock-in
  Available as an NPM package