

# Brad Melanson

 Halifax, NS  
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 http://bradmelanson.me

## ABOUT ME

A polyglot developer with a background in pharmacy. I'm passionate about usability and user experience, and using technology to empower people. I love learning new things (working on game design for 2018), collaborating on projects, and sharing knowledge. Outside of work I enjoy travelling, taking in live sports, and cooking.

## WORK EXPERIENCE

### **Software Developer, PayByPhone (Vancouver, BC) — May 2017 - May 2018**

Mobile Parking Payments  
C#, ASP.NET, Cake, Terraform, TeamCity, Octopus Deploy, AWS

Service and infrastructure development as a member of the data and insights team.

- Built an asynchronous report processor using C#, SQS, S3, and DynamoDB. This will allow the team to make the reporting system more performant and reduce duplicate code across the data and insights platform.
- Developed Cake-based build scripts allowing the team to store build configuration in version control, simplify how we use TeamCity, and more quickly create new C# projects.
- Managed AWS infrastructure using Terraform, allowing the team to code review infrastructure changes and more easily scale the data and insights platform as clients are on-boarded.
- Coordinated development efforts across a distributed team, including a UK-based product team and an offshore development team in Costa Rica.

### **Software Developer, Beanstream (Victoria, BC) — Aug 2016 - Feb 2017**

Payments Processing  
C#, ASP.NET, JavaScript, React, SQL Server

Developed APIs and internal tools as a member of the web and payments teams.

- Designed and developed a React-based interface for creating white-labelled versions of hosted sign-up pages. Replaced an error-prone manual process that required direct database access.
- Built an ASP.NET Core-based merchant search API for other teams and applications to consume. Centralized accessing merchant account information and reduced duplication across services.

## **Developer, Redbrick (Victoria, BC) — Jan 2014 - Jul 2016**

Software Analytics  
PHP, Symfony, Silex, JavaScript, PostgreSQL

Web development as a member of the network technology team, as well as occasional contributions to Windows desktop applications.

- Tripled the number of events tracked and available for reporting. Provided deeper insight to both business stakeholders and the network technology team for planning new initiatives and debugging issues.
- Took over leading development of a Symfony-based administration and reporting portal. Gathered requirements, worked with the product owner to establish priorities, and mentored a team of 3 co-op students.

## **PERSONAL PROJECTS**

### **SlackBase64**

<https://bitbucket.org/bradJM/slackbase64>  
C#, ASP.NET, AWS

A Slack slash command for encoding to and decoding from base64. I built this both to save time at work (much faster than going to [base64encode.org](http://base64encode.org) all the time!) and to scratch a continuous integration / deployment itch. I put together a pipeline using Bitbucket, AppVeyor, Elastic Beanstalk, and a bit of PowerShell scripting that automatically tested and deployed all code pushed to Bitbucket.

### **Hacker Jobs**

[https://bitbucket.org/bradJM/hacker\\_jobs](https://bitbucket.org/bradJM/hacker_jobs)  
Perl, Mojolicious, PostgreSQL

A job board powered by Hacker News' API. I built this because I wanted to keep an eye on jobs posted in Hacker News' "Who is hiring?" threads without needing to sift through all the commentary. Integrating with their API was challenging (in their own words: "Many of the awkward things are just the way HN works internally"), but Mojolicious was a treat to work with and made wiring everything up and deploying it as simple as you could ask for.

## **EDUCATION**

### **Information Technology and Management Diploma**

Thompson Rivers University, Expected 2021

### **Pharmacy Technician Diploma**

Eastern College, 2010