RYAN ALBRECHT

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Employment History

Front-End Engineer   Facebook   Sept 2014 - Present
- Build out dynamic and functional web applications for clients using various web technologies

Web Application Developer   FreshBooks   May 2011 - Aug 2014
- Write PHP, Javascript, CSS, HTML and Python routines in order to create seamless, delightful interfaces for FreshBooks' customers. Features are built with speed, browser compatibility, future maintenance, testability, and simplicity in mind.
- Myself, along with the entire front-end team work tirelessly to overhaul our legacy PHP codebase in order to refactor and add test coverage to the app.

- I have been gaining experience with Ember.js as part of a project to rewrite the existing front-end. The goal is to produce a codebase that is easier for the wider team to contribute to. This is still a work in progress.
- Have helped bootstrap our first node.js component and refactor it out of a classic case of 'callback hell' using an event driven design, and a few promise objects.
- Built internal tools to solve various paint points: glue disparate systems together to make developers days easier, track new hires' onboarding progress in fun ways, and some unobtrusive tools to teach and encourage following dev team processes.
- I have interviewed potential hires at all the different stages of our hiring process. Of the successful candidates I've yet to regret saying "yes". I interviewed half of the developers currently on my team. In addition to on-boarding new hires, I am a mentor for co-op students during their work term with the company and try to make adjusting to a day job fun and productive for everyone.
- Have hosted "Lunch & Learn" talks for the development team. Some of the topics included: Backbone.js, RequireJS, asset pipelines, and Git rebase.
- Converted what was 3 generations of front-end javascript to use RequireJS and AMD modules for dependency management. This resulted in tests that are easier to maintain, more code sharing with less coupling, and a clear path forward for how new components should be built and tested.
- Completely implemented Backbone.js based UI widgets such as our nested-category dropdown interface. From the new db schema, private api and backend rules, to the front end html code. Making sure to maintain the existing behaviour for existing users.
- Have been involved in various projects relating to: subscriptions in multiple currencies, subscriptions via new 3rd party integrations, double-ledger data tracking, user funnel split tests, various new user workflows and features.

Web Application Developer   A51 Integrated   Apr 2010 - Apr 2011
- Build out dynamic and functional web applications for clients using various web technologies
- Configure and maintain internal development and versioning servers

Casual Games Developer   Clipwire Games   May 2009 - Mar 2010

- Develop and integrate all tiers of our games; including database schema, socket servers, interactive action script, front-end web chrome
- Built and maintained in house admin tools for our most frequently updated games
- Use Facebook markup (FBML) to create viral funnels and player-to-player experiences
- Internationalized all tiers of our main ActionScript game for the french market

Web Developer Consultant (Co-op)   Indellient   May - Aug 2008
- Tested web standards compliance against production websites
- Responsible for changes in accessibility and web standards compliance in order to improve the experience for users with screen readers
- Adding and updating content for a huge multilingual web site on a daily basis

Information Management Developer (Co-op)   IESO   Sept - Dec 2007
- Adding functionality and value to existing executive reports
- Creating new financial project reports, project management tracking interfaces and summaries that integrate with existing systems

Intranet Developer (Co-op)   Fugro Airborne Surveys   Jan - Apr 2007
- Created, debugged and added functionality to internal business systems running ASP and backed by MS Access databases
- Assisted in debugging aspects of the public facing website
- Researched large migration from 'classic' ASP to ASP.NET leveraging Active Directory

Education

Sheridan College   Sept 2005 - Dec 2008
- Computer Science Technology Co-op Diploma with High Honours, Sheridan College Institute of Technology and Advanced Learning, Oakville, ON
- Winner ACES program advisory committee Capstone Project
- Courses including Advanced Games Design Programming, Java Enterprise Application Development, Database Administration & Security, Operating System Tools & Scripting, various mathematics/statistics, project management, etc

York University   Sept 2004 - Apr 2005
- Completed two undergraduate semesters at York University in Toronto, ON
- Took a variety of classes including Introduction to Computer Science, Western Culture, and History of Science.

Miscellaneous Activities & Interests
- Enjoy plenty of fine food and beverage, never too much of a good thing
- Adamant snowboarder and bicycle rider
- Hockey player since I was 6 years old; I get into my skates as long as there is ice