# Evan Purkhiser

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## Qualifications

BS - Computer Science 2013
Akron, Ohio - The University of Akron

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| **Environments** | GNU/Linux, BSD/macOS, AWS |
| **Languages** | Golang, Python, ES7 (react, redux, node), HTML5, CSS3, SASS, SQL, Ruby, PHP, C++, Shell |
| **Software** | Bash, Git, SVN, Mercurial, VIM, GNU Coreutils, Vagrant, Berkshelf, Chef-Solo, Ansible, Salt, Apache, nginx, MySQL, Redis, Bower, Browserify, Webpack, npm, PHP Composer, golang glide, jq |

## Experience

**Crunchyroll / VRV**                              Senior Software Engineer — *August 2014 - Present*

- Designed and developed high performance APIs using golang to serve video content metadata. Applied the HATEOAS constraint of REST to provide flexibility during rapid API design changes.
- Full stack implementation of a 'content partner' portal for content management. Developed using React-Redux alongside modern web technologies, with special attention given to the 'look and feel' of the application.
- Maintained production micro-services deployed in AWS. Used tooling such as NewRelic to investigate and quickly determine resolutions for live issues. This included an internal video ingestion system of which a deep understanding of many moving parts (encoding, metadata parsing, image conversion) was critical in resolving issues.
- Promoted quality coding standards, git best practices, review best practices, automated style lint tooling, and improved developer environment tooling throughout the organization for a high quality developer experience.
- Improved developer experience by reworking an internal developer VM to be powered by Vagrant, including configuration management using salt.
- Architected and developed secure authentication mechanisms for a novel dual subscription linking system using the OAuth 1.0 protocol for the accounts API driving the *VRV* product.
- Spearheaded the divorce of a deeply integrated client frontend and monolith backend into a cleanly separated API consuming client using a modern PHP Symfony stack for the *KDrama* product.
- Took initiative to update and own project library dependency versions. Various projects were updated to the newest Symfony2 framework along with other libraries, providing for an improved developer experience.

**Acadaware**                              Lead Web Applications Developer — *March 2011 - July 2014*

- Developed a web application for managing Experiential Education programs.
- Responsibilities included all stages of development, from initial requirement gathering to deployment and configuration of a production server environment.
- Worked as the sole Full-Stack developer to build and deploy both the front and back ends of the application.
- Used the MVC delivery mechanism to structure the web application.
- Designed and implemented a relational database structure suited to the application.
- Designed the frontend of the application using modern web technologies such as HTML5 and CSS3 while also taking user experience best practices into consideration to bring a beautiful and intuitive experience to the user.

### Side Projects

- github.com/evanpurkhiser/prolink-go, github.com/evanpurkhiser/prolink-overlay

  Proprietary UDP/TCP protocol reversal & implementation. Websocket publishing to React based video stream overlay.

- github.com/evanpurkhiser/dots

  Novel 'cascading' dot file management solution for sharing personal configuration files across systems and platforms.