Evan Purkhiser

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Qualifications

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

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 — *May 2015 - 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. Collaborated with designers to produce a polished, branded UI with an emphasis on usability.
- Maintained production micro-services deployed in AWS. Leveraged NewRelic and other tools to investigate and quickly determine resolutions for live issues. Responsible for uptime of video ingestion system with many moving parts (encoding, metadata parsing, image conversion).
- 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.
- Improved developer experience with an internal developer VM powered by Vagrant. Integrated Salt for configuration management.

Crunchyroll   Software Engineer — *August 2014 - May 2015*

- 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.
- 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.
- 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.