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 — *August 2014 - Present*

- Designed and developed high performance APIs using golang to serve video content metadata. Applied the HATEOAS REST constraint to provide flexibility during rapid API design changes.

- Full stack implementation of a 'content partner' portal for content management. Developed using React-Redux along with modern web technologies. Special attention of quality was 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 maintenance of a internal video ingestion system, a deep understanding of many moving parts was critical in resolving issues.

- Proliferated quality coding standards, git best practices, review best practices, automated style linting tooling, and improved developer environment tooling throughout the organization for a high quality developer experience.

- Improved developer experience by reworking a internal developer VM to be powered by Vagrant, including configuration management as code using salt. This provided a consistent developer environment without bloat.

- Architected and developed secure authentication mechanisms for a novel dual subscription linking system using the OAuth 1.0 protocol for the account API driving the *VRV* product.

- Spearheaded 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.

- Worked as the sole Full-Stack developer to build both the front and back ends of the application.

- Responsibilities included all stages of development, from initial requirement gathering to deployment and configuration of a production server environment.

- Architected business logic using advanced object oriented concepts.

- Designed and implemented a relational database structure suited to the application.

- Used the MVC delivery mechanism to structure the web 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-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.