Kevin Klaes

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Experience

Raytheon Foreground Security

Lead Software Engineer (October 2016 - Present), Senior Software Engineer (March 2015 - October 2016)

- **Technology**: Python, Django, Postgres, jQuery, Docker, Linux, Git, Jira
- Led design and development for new features within a distributed web-based application used to identify malicious activity on customer networks and manage investigations of incidents.
- Managed requirements from product owners and user group to provide accomplishable tasks to a distributed development team.
- Created new interfaces to integrate with external SIEM devices like McAfee ESM, Splunk, and Solera Bluecoat.
- Introduced pair coding efforts to reduce bottlenecks during pull requests, prevent new bugs, and reduce code review time.
- Formalized a code review process after introducing team code reviews to increase code quality.
- Rapidly developed prototype application with external team to aggregate corporate network data and detect malicious activity.
- Assisted scrum master with changes to software development process when transitioning to Agile and Kanban.

FPX (Glider.com)

Software Engineer (June 2014 - March 2015)

- **Technology**: Python, Django, MySQL, Flight JS, RequireJS, jQuery, Bootstrap 2/3, Less, Chef, Jenkins, Codeship, Apache, nginx, Linux, Git, Jira
- Expanded existing Django application to incorporate new business requirements including placeable signatures in PDF documents and user group assignments for workflow tasks.
- Built a scalable and reusable front-end Javascript application utilizing Twitter Flight JS and RequireJS.
- Integrated contract management solution with other FPX other products and SalesForce platform.
- Improved automated testing to increase application consistency by introducing continuous integration tools.
- Assisted with project planning and direction relating to future feature releases, hardware migrations, and software upgrades.

Graphic Systems

Software Developer, Contract (December 2014)

- **Technology**: Python, Django, jQuery, Apache, Linux, Git, Bootstrap 2
- Improved online ordering system for thousands of stores by adding features related to contacts and order management.
- Consulted on product feature timeline and made recommendations regarding the future maintenance of the online ordering systems.
- Documented developer processes, introduced version control, and set up developer instance to facilitate development of the application.

University of Minnesota: Twin Cities

Web Developer and Systems Administrator (March 2012 - July 2014)

- **Technology**: Python, Django, MySQL, Memcache, Bootstrap 2/3, jQuery, Puppet, Apache, nginx, Linux, Git, Shibboleth (SSO), Selenium, nose, unittest

- Maintained internal department applications based in Django and Python. Applications utilized HTML5 and Javascript/jQuery to enhance the user application and experience. Implemented REST API using Django Rest Framework to decouple front end and back end components of the application.
- Implemented test driven development for all new features and wrote tests with Selenium for legacy code after documenting the purpose and evaluating functionality.
- Self initiated efforts to improve undocumented code and increase compliance with best standard coding practices (PEP8, DRY, TDD).
- Secured web applications by introducing and working with application owners and users to define access controls to specific parts of their applications.
- Advised and worked with faculty to develop professional websites (primarily Math Insight), improve useability, and encourage software development best practices.
- Rebuilt department event application and integrated with Google Calendar to increase visibility to students and encourage subscriptions.

Volunteer Experience

CoderDojoTC

Mentor

- Taught students how to use Python to interact with a Minecraft world.
- Contributed Flask application to assist with creation and management of deployed instances for students during class.

Rainbow Health Initiative

Web Developer

- **Technology**: Python, Django, Bootstrap 3, jQuery, Apache, Git
- Worked with Rainbow Health Initiative to create and deploy an online survey to collect data on the LGBT community of Minnesota.
- Provided backend code in Django to collect data and data export solutions.
- Trained RHI webmaster to deploy application.

Education

Bachelor's of Science in Mathematics

University of Minnesota: Twin Cities (Spring 2013)

- Coursework at the University of Minnesota focused on actuarial mathematics, intermediate economics courses, and cryptography.