

# Kevin Klaes

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## Experience

### FPX (Contract Management and Workflow - Glider.com)

#### Software Engineer (June 2014 - Present)

- Expanded upon existing Django application to incorporate new business requirements including placeable signatures in PDF documents and user group assignments for workflow tasks.
- Utilized the Twitter Flight and RequireJS to build a scalable and reusable front-end application structure
- Integrated external application with FPX's core products through REST API
- Assisted with identifying business needs and translating those to developer requirements
- Utilized continuous integration tools, including Codeship and Jenkins, alongside automated testing to increase code quality
- Advised and assisted project managers to make important decisions such as those related to server migrations and upgrades

### University of Minnesota: Twin Cities

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

- Maintained and improved internal department applications with backend 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 code.
- Implemented test driven development for all new features and wrote tests for legacy code after documenting the purpose and evaluating functionality.
- Collected and expounded requirements for new and existing features. Self initiated effort to improve undocumented code and increase compliancy 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.
- Reduced redundant user input by implementing and improving backend workflows.
- 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.

### Rainbow Health Initiative

#### Volunteer Web Developer (July 2013 - September 2013)

- 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.

## **Skills and Technologies**

### **Programming Languages**

- Python
- Javascript
- SQL
- Ruby

### **Advanced Proficiency**

- Django
- jQuery
- Bootstrap
- Git
- HTML, CSS, Jinja2, Less, HAML, Handlebars
- MySQL
- Apache, nginx

### **Intermediate Proficiency**

- Twitter FlightJS
- Selenium
- \*nix: Ubuntu, RHEL6, Scientific Linux (SL)
- Flask
- Shibboleth, SSO

### **Basic Proficiency**

- Node.js / Express
- Ruby / Rails
- Chef / Puppet
- Continuous Integration (Jenkins / Codeship)

## **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.
- Attended the University of Minnesota: Duluth from Fall 2004 until Spring 2006 with the intent to major in Computer Science.