Derek Hurley

Software Engineer

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Skills

- **Languages:** JavaScript, Python, SQL, CSS, HTML
- **Libraries / Frameworks:**
    - JavaScript - React, Redux, three.js, d3.js, jQuery, Jest
    - CSS - Sass, PostCSS, Bootstrap
    - Python - Django, Django Rest Framework, Celery, Genshi, Ansible
- **Tools:** AWS, CircleCI, Git, Vim, webpack, Google Analytics, Docker
- **Databases:** PostgreSQL, Redis
- **Process:** Agile development (Scrum, Kanban), JIRA, Trello

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Experience

PledgeUp: *Software Engineer*   **2017-present**

- Transitioned key pages to newer React components and introduced Redux for data management.
- Introduced more thorough event based Google Analytics tracking to inform design decisions.
- Experimented with moving local development setups to Docker.
- Responded quickly and effectively to networking/operational issues with the production site.
- Implemented granular Javascript/Python error reports through Sentry for more context on defects.
- Managed process and backlog of github issues through labels and priority.
- Worked with stakeholders to create SQL reports or sift through logs to answer specific user/product questions.
- Created first server side rendered React pages using AWS Lambda and API Gateway, including build/release tooling.
- Coordinated with bank and stakeholders to ensure accurate processing of monetary transactions.

Idealist: *Software Engineer*   **2012-2017**

- Maintained and improved legacy codebase comprised of Werkzeug, SQLAlchemy, Genshi, and other Python libraries.
- Worked with QA to update the staging and production websites, often involving SQL migrations and time-sensitive features.
- Developed a Backbone and Sass based application for users to connect with each other and share their intentions for action.
- Organized and facilitated team process as Scrum Master for a strictly revenue stream focused team of engineers.
- Screened and interviewed potential engineers for Idealist, in the process helping improve the interview process as a whole.

- Programmed in a variety of engineering configurations, including pair and mob programming.
- Led a team of three engineers and one designer focused on communications and engagement:
    - Reviewed Git pull requests and guided technical decisions based on scheduling, maintainability, and technical debt.
    - Responded quickly to multiple projects at various stages of development by working with Product Owners on estimates and timelines.
    - Improved team process and communication with retrospectives and daily stand ups.
    - Experimented on and analyzed new features through Optimizely A/B testing and Google Analytics to inform next steps.
    - Rewrote high traffic existing pages such as the homepage in React and PostCSS to meet new mobile-first designs.
    - Documented successes and challenges the team encountered for broadcast with entire engineering team.

Portland State University: *Capstone Lead*   **2011-2012**

- Built a d3.js application to visualize a graph of relationships between Twitter mentions and retweets.
- Managed a team of five other students through regular meetings and ticket tracking.
- Implemented core pieces of user interface for navigating and displaying graph.
- Analyzed performance and memory risks during development.
- Facilitated frequent communication between teammates, professor, and client.

Google Summer of Code: *Buildbot User Objects*   **2011**

- Added User Objects to Buildbot to track changes and add/modify attributes.
- Translated User Object information into email addresses for mail notifications.

Portland State University: *Resident Assistant*   **2008-2012**

- Enforced housing policies in residence halls by reporting incidents and posting information.
- Executed social and educational events involving campus resources.
- Mediated interpersonal conflicts between residents and fellow staff.
- Worked both in freshmen specific halls and upperclass or non-traditional communities.
- For two years, supervised a staff of up to six resident assistants:
    - Kept budget for each staff's program resources per term.
    - Held regular meetings with all staff and one on one with direct reports.
    - Continued own resident assistant duties during lead position.

Education

Portland State University: *BS, Computer Science*   **2007-2012**