David Baumgold

Full-stack web developer, open source contributor, technical trainer, public speaker. Located in Amsterdam.

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Skills

Languages	Python, TypeScript, GraphQL, SQL (PostgreSQL, MySQL), RegEx
Frameworks	Django, Flask, SQLAlchemy, React, Redux, Bootstrap, Svelte
Tools	Git, Mypy, Sphinx, Babel, Webpack, HTTP APIs
DevOps	AWS, Docker, GitHub Actions, Homebrew, SSH, Nginx, Linux Server Administration
Testing	TDD, Pytest, Mock, Jest
Open Source	Communication, Community-Building, Outreach, Advocacy

Experience

Staff Python Developer at Ribbon Home
since March 2021
Python, Django, React, GraphQL. Focused on identifying and paying down technical debt across the codebase, working with several teams across the company. Planned and implemented the adoption of the Chakra UI component library across the frontend codebase, increasing development speed and visual consistency. Executed multiple important upgrades across the backend to improve reliability and avoid dependencies on unsupported open source projects.

Senior Python Developer at Nylas

June 2018 to March 2021

Python, Flask. Tech lead for a small development team focused on improving calendar-based features. Shipped products that generated millions of dollars in ARR. Lead several large-scale technical migrations, including switching from Python 2 to Python 3 and switching from a self-hosted Jenkins CI installation to cloud-hosted GitHub Actions.

Senior Front-end Developer at Impraise

Sep 2017 to May 2018

React, GraphQL, Ruby on Rails. Lead a small team to develop a dynamic React-based front-end for the Impraise web application. Assisted in migrating from a legacy REST-based backend to one based on GraphQL.

Consultant at Serendipity Consulting

Jan 2016 to Sep 2017

Worked as a freelance consultant, helping companies develop robust and maintainable websites using Python and JavaScript. Clients included:

- **Nylas**: I helped update and modernize the Python SDK for Nylas, revamping the test suite and adding Python 3 support.
- **ClassForward**: I helped build out their Django-based website, working on a small team. I also provided mentorship and guidance for their junior developers, and helped establish best practices for high quality development.
- **MIT's Office of Digital Learning**: I assisted with their Micromasters project, using Django, DRF (Django Rest Framework), React, ES6 (ECMAScript 6), and Webpack.
- **Zeolearn**: I taught classes to Zeolearn's clients, with topics including Django and Git/GitHub.
- **edX**: I took over an unmaintained Python project that edX depended on, and upgraded it to be more modern, reliable, and documented.

Software Engineer, Developer Advocate at edX

May 2013 to Jan 2016

Open source Python/Django web application with Backbone.js frontend. Lead development of major components of the application, as well as spearheading major code-cleanup and refactoring efforts in an agile, Scrum-based workflow.

Organized and assisted the open source community in their efforts to use the software; organized major software releases, advocated for documentation and features specific to the community's use. Spoke about Open edX at conferences, and helped organize the Open edX Conference.

Software Engineer at CloudLock

Sep 2011 to Apr 2013

Python web application running on Google App Engine. Assisted with a major architectural restructuring to work with App Engine's eventually-consistent datastore. Increased developer productivity through communication, education, tooling, and automated testing.

Software Engineer at TripAdvisor

Aug 2010 to Aug 2011

PHP web application with a dynamic Javascript front-end, integrated into a Java codebase. Worked as a full-stack developer in a small, agile team, fixing bugs and adding features in many different levels of the codebase.

Junior Systems Administrator (Guru) at Computer Science Department, Brandeis University

Dec 2007 to May 2010

Worked in a small team to manage, maintain, and upgrade a network of over 100 Mac and Linux computers. Provided routine support and assistance to university students and professors.

Education

Masters degree in Computer Science

Brandeis University, *Spring 2010 to Summer 2010*

Bachelors degree in Computer Science

Brandeis University, *Fall 2006 to Fall 2009*

Bachelors degree in Psychology

Brandeis University, *Fall 2006 to Fall 2009*