

Ned Batchelder

ned@nedbatchelder.com • Boston • 617-901-9725 • <https://nedbat.com>

Decades of experience building solid software to solve real problems using diverse technologies. Committed to bringing people together and building positive culture. Self-motivated, diligent, creative, helpful, and independent. Pragmatic architect, disciplined developer, clear communicator, resourceful problem solver, dedicated organizer, natural leader, fast learner, and patient teacher.

Strengths

Development

I have led development in diverse fields, from complex solo projects ([coverage.py](#)) to open source with hundreds of developers (Open edX). I am a recognized expert in Python. I teach Python both professionally and informally. I contribute to many projects including CPython core.

Open Source

At edX I established processes for bridging between internal and external developers on Open edX, a large open source project. I advised on approaches to mix for-profit and open source work. I've been an active maintainer of widely used projects.

Community

I created and led Open edX working groups, helped organize international conferences and ran local meetups. Boston Python grew new online events during the pandemic. At edX I organized internal study groups and hackathons.

Timeline

2012–2024 **edX / 2U** — Architect for online course provider • Open source process and community
2010–2012 **Stellated Software** — Freelance software development, training, and consultation
2007–2010 **Hewlett-Packard** — Lead architect of sites and services in Django for printing and printers
2006–2010 **Tabblo.com** — Lead architect and developer of online photo-story-telling web site in Django
2001–2006 **Kubi Software** — Architect of distributed collaboration product • Founding employee
2000–2001 **Blue Ripple** — Architect of content distribution web service in Java
1997–2000 **Iris Associates** — Project leader for Domino Designer • Architect of Domino XML support
1993–1997 **Lotus Development** — Developer of ground-breaking Domino web server
1986–1993 **Digital Equipment** — Developer of print system software • Corporate PostScript guru
1984–1986 **UPenn GRASP Lab** — System manager and developer for robotics research lab
1976–1984 **Bronx Science / UPenn** — Premier technical high school • Ivy League engineering education

2009–now **Boston Python** — Lead organizer of a large local Python user group • Weekly office hours
2004–now **coverage.py** — Maintainer of the coverage tool for Python
2002–now **nedbatchelder.com** — Popular blog about Python and more • Side-projects: cog, scriv, dinghy

Recent career

edX / 2U

Oct 2012 – Jan 2024

Non-profit running **edx.org**, the world-wide MOOC provider; **acquired** by for-profit 2U in 2021

Early architect and developer. Designed XBlock **component architecture** for extending the LMS. Built codejail **sandboxing** utility, directed Python development.

Led establishment of the Open edX **open source** project. Primary developer and community contact between edX/2U and the Open edX community. Organized international conferences,

internal hackathons and study groups. Built developer process tooling including stats gathering, linters and automation. Provided guidance throughout the organization on open source topics including code logistics and licensing.

Stellated Software LLC

Dec 2010 – Feb 2013

Solo **freelance** software consulting, specializing in Python

Architect and developer on a wide range of projects, from HTML5 e-book readers to Django web sites to medical cyclotron automation. Consulting on software leadership such as technology selection and team building.

Python training, teaching multi-day **Python courses** for all levels.

Hewlett-Packard / Tabblo

May 2007 – Dec 2010

HP acquired Tabblo

While continuing to run tabblo.com, extended the existing code base to support other book-editing sites, social network applications, and new printable Internet applications. Managed five engineers, coordinated releases, built new features.

Built the **Tabblo Print Toolkit**, to produce high-quality printed pages from web content. Built **Tabbloid**, an RSS-to-print application built on TPT, including a print app running in the printer.

Led development of **ePrintCenter**, HP's web site for consumers to manage a new line of web-connected printers. ePrintCenter was localized into 26 languages on tight deadlines.

Tabblo

Jan 2006 – April 2007

10-person **startup** for a consumer photo-sharing story-telling site, **tabblo.com**

Architected and led development. Tabblo featured printed products including books, cards, posters, and print-at-home photo cubes. Built story representation with **multi-output rendering engine** capable of output to PDF, PNG, and both editable and read-only HTML.

Built access control, database migration, back-office tools, page factory pipeline. Led usability testing, improved performance. Established testing regimes. Contributed patches back to Django.

Recognition**Python community**

Python Documentation Editorial Board, 2023. Python Software Foundation Community Service Award, 2016. Python Software Foundation Fellow, 2011.

Public speaking

PyCon opening keynote, 2023. Ten PyCon talks, 2009–2018. Stack Overflow DevDays 2009.

Podcasts

Guest on eleven podcast episodes, 2015–2023

Patents

Five patents granted on printing and web technologies.

Elsewhere

GitHub: <https://github.com/nedbat>

Personal site: <https://nedbat.com>

Mastodon: <https://hachyderm.io/@nedbat>