

# Peter Bittner

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<https://bittner.gitlab.io/curriculum/cv-en.html>

<https://github.com/bittner>

*I'm a Python developer and DevOps engineer, a Continuous Delivery coach, Agile CTO and entrepreneurial thinker. My passion is **Django, Python, and Continuous Delivery**. I love working with awesome people. Let's build awesome products! Together.*

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## Technical Skills

**Likes:** python django linux bash usability accessibility continuous-delivery devops automated-tests

**Dislikes:** php

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## Experience

Mar 2020 → Current **CTO** – [Lawbrary GmbH](#)

django, openshift, kustomize, docker, docker-compose, postgresql, continuous-delivery, devops, gitlab

establish agile development practices, implement devops processes, automation

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Mar 2018 → Current **DevOps Engineer** – [VSHN AG](#)

openshift, kubernetes, django, python, tox, pytest, gitlab-ci, bitbucket-pipelines, travis-ci, docker, docker-compose, ansible, continuous-delivery

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2015 → Current **Owner, Co-Founder, CI / CD Coach, DevOps Engineer** – [Painless Software](#)

agile, scrum, kanban, django, python, continuous-delivery, devops

not moving fast enough? looking for support? we have years of experience. we can help. call us! <https://painless.software>

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2014 → Current **Owner, Founder, CTO, Internet Entrepreneur** – [Organice.io](#)

django, restructuredtext, pypi, pip, compass-sass, uglifyjs, twitter-bootstrap-3

the next generation collaboration platform. for everyone. <https://organice.io>

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2014 → 2015 **Agile Coach & Change Manager, Django Developer** – Notch Interactive GmbH

django, python, fabric, ansible, vagrant, continuous-delivery, scrum, kanban

management coaching, agile transformation, scrum master, test-driven development (bdd), automation (development, deployment), django and python development

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2012 → 2014 **Head of Software Development PIM / eCommerce / hybris** – DACHCOM.DIGITAL AG

java, hybris, agile-project-management, scrum, kanban, git, deployment, continuous-integration, change-management, jira, responsive-design

enhancing development processes (continuous integration & deployment), introducing agile project management processes, member of the management board

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2011 → 2012 **Team Lead IT E-Commerce** – HolidayCheck AG

php, zend-framework, java, scala, less, coffeescript, usability, jira, mediawiki, scrum

member of IT management team, team lead IT e-commerce (6+ team), scrum practitioner, software developer, mobile developer

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2008 → 2011 **Software Engineer** – IVM Technical Consultants Wien GmbH

project-management, linux, c++, ajax, css, bash, python, joomla, php, usability, accessibility

project manager Remedy solutions at Siemens, application developer Joomla! for hydrophil.at (sql, php, xhtml, css, javascript, ajax), software engineer and outsourcing support at Thales (c++, Linux infrastructure setup automation, user interface design and reviews), social media consultant

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2007 → 2008 **Senior Consultant** – Capgemini Consulting Österreich AG

eclipse, j2ee, php, xhtml, css, knowledge-management, user-interface, usability

screen design and usability (requirements engineering), software maintainer (php, html, mysql, Linux), software developer (j2ee, jsp, db design, postgresql)

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2002 → 2007 **IT Consultant** – TeamWORKS Consulting & Engineering GmbH  
java, swing, oracle, plsql, c#, python, bugzilla, document-management, windows, linux

software developer on several projects (java/swing database front-end at Magna Automotive; document management introduction, maintenance, and addon development using c++/mfc, c# and python at KSV; animal test lab software using j2ee/j2se/swing at JSW Research; visual map designer development using c# and visio drawing control at PKE/KSG)

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## Education

1994 → 2003 **Dipl.-Ing. (equiv. M.Sc. Computer Science)** – Graz University of Technology  
applied-mathematics, computer-science

developed very first **cryptography providers benchmarking** java gui, extensive coursework in **human computer interaction** (heuristic evaluation, usability testing, video analysis)

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1999 → 2000 **Computer Science** – Aston University  
c++, python, gis, legal, network-protocols

developed **book library db** in cgi python and oracle/mysql (portable db design) as BSc final year coursework

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## Certifications

Sep 2018 → Sep 2020 **New Relic Certified Performance Pro** – <https://learn.newrelic.com/certification/nru-certified-performance-pro>  
newrelic

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2009 → 2009 **Web Accessibility (OCG, Austria)**  
usability, accessibility, html5, css3

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2007 → 2008 **Certified Usability Analyst (CUA, Human Factors Intl.)**  
usability, accessibility, usability-testing

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## Projects & Interests

Nov 2009 → Current **Stack Overflow** – <https://stackoverflow.com/users/202834/peterino>  
Written 32 answers. Active in python and django.

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Jan 2020 → Current **painless-software/kustomize-wrapper** – <https://github.com/painless-software/kustomize-wrapper>  
Python wrapper that makes Kubernetes' kustomize more lovely

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Mar 2019 → Current **bittner/pyclean** – <https://github.com/bittner/pyclean>  
Pure Python cross-platform pyclean. Clean up your Python bytecode.

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Mar 2019 → Current **vshn/concierge-cli** – <https://github.com/vshn/concierge-cli>  
Companion CLI for Concierge to bulk-manage repository projects.

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Feb 2019 → Current **Django Probes** – <https://github.com/vshn/django-probes>  
docker, kubernetes, openshift, django  
Easily ensure your database is up before your cloud application starts up.

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Sep 2018 → Current **vshn/docker-concierge** – <https://github.com/vshn/docker-concierge>  
Repository configuration management powered by ModuleSync.

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Sep 2018 → Current **Python Turtle** – <https://github.com/cool-RR/PythonTurtle>  
python-3.x, wxpython, pyinstaller, appimage, appveyor, travis-ci, shippable-ci  
The world's most popular Python learning environment.  
We now do refactoring and automation for a sustainable future of the project.

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May 2018 → Current **vshn/docker-modulesync** – <https://github.com/vshn/docker-modulesync>  
Align your repository configuration files. Plain simple.

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Apr 2018 → Current **painless-software/ansible-role-software** – <https://github.com/painless-software/ansible-role-software>  
Painless software provisioning for your developer machine.

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Sep 2016 → Current **Painless Continuous Delivery** – <https://github.com/painless-software/painless-continuous-delivery>  
python, travis-ci, github, gitlab-ci, bitbucket-pipelines, shippable-ci, codeship, vexor-ci, cookiecutter, docker, docker-compose, tox

A cookiecutter for projects with continuous delivery baked in. Serious software development for everyone, finally.

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Jun 2016 → Current **sentrylogs** – <https://github.com/mdgart/sentrylogs>  
python, django, bdd, acceptance-testing

Send logs from nginx and other applications to django sentry

contributor (test automation)

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Apr 2016 → Current **codeship-yaml** – <https://github.com/painless-software/codeship-yaml>  
python, pyyaml, yaml

YAML configuration file support for Codeship.

maintainer, developer

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Mar 2016 → Current **behave-django** – <https://github.com/behav/behave-django>  
python, django, bdd, acceptance-testing

Behave BDD integration for Django

co-maintainer, contributor (context helper function, simplify testing using live server)

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Dec 2015 → Current **lego-mindstorms-ev3-comparison** – <https://github.com/bittner/lego-mindstorms-ev3-comparison>  
python, libreoffice-calc

Supportive data for buying spare parts. Essential for LEGO robotics enthusiasts.

maintainer, developer

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Sep 2015 → Current **django-apptemplates** – <https://github.com/bittner/django-apptemplates>  
python, django, django-templates

The magnificent `apptemplates` Django template loader available from PyPI.

maintainer

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Apr 2015 → Current **pytest\_django** – [https://github.com/bittner/pytest\\_django](https://github.com/bittner/pytest_django)  
python, py.test, django

A Django plugin for py.test.

contributor (convert django boiler plate functions)

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Jul 2014 → Current **django-analytical** – <https://github.com/bittner/django-analytical>  
python, django, analytics, unit-testing, documentation

Analytics services for Django projects

co-maintainer, contributor (piwik)

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May 2014 → Current **django-organice-theme-fullpage** – <https://github.com/Organice/django-organice-theme-fullpage>  
django, compass-sass, uglifyjs2, twitter-bootstrap-3, makefile

A django Organice theme with full-page display used by Organice.io

maintainer, core developer (full stack)

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May 2014 → Current **django-organice-theme-rssk** – <https://github.com/Organice/django-organice-theme-rssk>  
django, compass-sass, uglifyjs2, twitter-bootstrap-3, makefile

A django Organice theme created for Kreuzlingen Rudolf Steiner school (RSSK).

maintainer, core developer (full stack)

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May 2014 → Current **django-organice-theme** – <https://github.com/Organice/django-organice-theme>  
django, compass-sass, uglifyjs2, twitter-bootstrap-3, makefile

The mother theme of all themes for django-organice.

maintainer, core developer (full stack)

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Feb 2014 → Current **django-organice** – <https://github.com/Organice/django-organice>  
django, python, pypi, pip, restructuredtext, python-sphinx, transifex, makefile

All-in-one collaboration solution for non-profit organizations, sports clubs or small to medium-sized businesses. Nice, very nice, <https://organice.io>

founder, maintainer, core developer (full stack)

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Feb 2014 → Current **gedit-reST-plugin** – <https://github.com/bittner/gedit-reST-plugin>  
python-3.x, gnome-3, webkit

reStructuredText Preview and Highlighting for gedit 3.8. Original project now stale at

maintainer, developer

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Oct 2011 → Current **behave** – <https://github.com/behave/behave>  
python, bdd, acceptance-testing

BDD, Python style.

contributor (reading config files, documentation)

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Apr 2011 → May 2013 **Social Login powered by Janrain Engage** – <http://sourceforge.net/projects/sociallogin>  
javascript, php, cgi-tools, libraries, social-networking, cms-systems

Your users have enough of creating another account - just for your website. Let them log in to your Joomla!-powered website using the credentials of their favorite social service (Facebook, Twitter, LinkedIn, MySpace, PayPal, OpenID, and many more).

project owner, developer

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Apr 2011 → Nov 2012 **Pyjamas Web Widget Set** – <http://sourceforge.net/projects/pyjamas>  
javascript, python, compiler-construction, user-interfaces, dynamic-content

Pyjamas is a python to Javascript compiler, Widget set, Framework and Toolkit for Application development that runs on Web browsers. The developer need not know anything about AJAX: all the AJAX tricks, for all major browsers, are entirely taken care of.

contributor

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May 1996 → Jan 2012 **Vollwert-Rezepte** – <http://sourceforge.net/projects/vollwertrezepte>  
latex, pdflatex, wwware, ms-word

Dieses Projekt ist der Quellcode eines Vollwert-Kochbuchs, ein PDF-Dokument, das aus LaTeX-Code generiert wird. Eine Sammlung von Rezepten aus Österreich und Deutschland. Gesund kochen, gesund essen, gesund leben! Vollwerternährung nach Kollath und Bruker.

original author, publisher

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## Public Artifacts

Aug 2019 **The Art of Writing Deployment Pipelines · Painless** – <https://painless.software/the-art-of-writing-deployment-pipelines>

continuous-delivery, kubernetes, docker, openshift, django, tox, pytest, gitlab

Modern Continuous Delivery. Deploy to production from commit #1!

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May 2018 **Agile Software Development · Painless** – <https://painless.software/agile-software-development>  
agile, tdd, responsibility

Agile software development started with Alan Turing back in 1945.

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Jan 2016 **"I need an expert programmer!" — What's wrong with this statement? · Painless** – <http://painless.software/i-need-an-expert-technology-programmer-whats-wrong-with-this-statement>

Painless Software. Less pain, more fun. We make software development a no-surprise business.

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Mar 2015 **Die Neue Schule ist gut! – Wann kommt sie?** – <http://kaerntnerseele.blogspot.ch/2015/03/die-neue-schule-ist-gut-wann-kommt-sie.html>

Brauchen wir Notendruck und Zeugnisse, damit unsere Kinder gebildete Menschen werden? Die grossen Bildungsreformer des 19. Jahrhunderts sagen Nein. Die moderne Gehirnforschung auch.

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Oct 2010 **Write Access For Everyone! — Intranets Done Right** – <http://intranetsdoneright.blogspot.com/2010/10/write-access-for-everyone.html>

I've been telling colleagues for years what's wrong with today's corporate intranets. Usually, they were shocked about my point of view: Write access for everyone!

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## Apps & Software

May 2016 **Skype (Unofficial) for Ubuntu Touch** – <https://uappexplorer.com/app/skype.peter-bittner>  
web-applications, qml, ubuntu-touch

First working Skype messaging app on Ubuntu phone.

developer, maintainer

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Mar 2016 **Swiss Radio Player for Ubuntu Touch** – <https://uappexplorer.com/app/swiss-radio-player.peter-bittner>  
web-applications, qml, ubuntu-touch

A sweet radio player app for Switzerland using the platform powering major Swiss radio stations.

developer, maintainer

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Dec 2015 **ORF total for Ubuntu Touch** – <https://uappexplorer.com/app/orf-total.peter-bittner>  
web-applications, qml, ubuntu-touch

Austria's official radio, TV and news broadcast packed into an app for Ubuntu phone.

developer, maintainer

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Sep 2015 **Gitter (Unofficial) for Ubuntu Touch** – <https://uappexplorer.com/app/gitter.peter-bittner>  
web-applications, qml, ubuntu-touch

Collaboration on Git projects enabled for Ubuntu phone.

developer, maintainer

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## Others

Dec 1988 **Background** – Background

I started programming when we demolished the operating system of our Christmas present in 1988. The MS-DOS 4.0 **DOS Shell** was gone, only MS-DOS 3.3 would boot. I figured I had to program **a new start menu** to get rid of typing the same command over and over again ...

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## Readings

**Just for Fun.** – Linus Torvalds, David Diamond – <http://www.amazon.com/Just-Fun-Linus-Torvalds/dp/3423362995%3FSubscriptionId%3DAKIAIIBINOD46VC3JCLQ%26tag%3Dws%26linkCode%3Dxm2%26camp%3D20>

Much of Linux's success can be attributed to my own personality flaws: 1. I'm lazy. 2. I like to get credit for the work of others. 3. ...

That's Linus: Plain funny! :-)

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**LPI Linux Certification in a Nutshell (In a Nutshell (O'Reilly))** – Adam Haeder, Stephen Addison Schneiter, Bruno Gomes Pessanha, James Stanger – <http://www.amazon.com/LPI-Linux-Certification-Nutshell-OReilly/dp/0596804873%3FSubscriptionId%3DAKIAIIBINOD46VC3JCLQ%26tag%3Dws%26linkCode%3Dxm2%26camp%3D202>

Covers about everything you want to know about Linux, in sufficient detail.

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**Anna, die Schule und der liebe Gott: Der Verrat des Bildungssystems an unseren Kindern (German Edition)** – Richard David Precht – <http://www.amazon.com/Anna-Schule-liebe-Gott-Bildungssystems-ebook/dp/B00BOAFXUC>

Awesome insights into the problems of the (German) school system. Learn from this book why learning with pressure is a broken idea, and why giving marks is contra-productive.

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**Release Early, Release Often** – <http://haacked.com/archive/2011/04/20/release-early-and-often.aspx>

"Nothing is real until it's providing value (or not) to your users. Having completed work that isn't released is wasteful." (Nate Kohari)

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**Permanent Record** – Edward Snowden – [https://en.wikipedia.org/wiki/Permanent\\_Record\\_\(autobiography\)](https://en.wikipedia.org/wiki/Permanent_Record_(autobiography))

Ed Snowden's autobiography. A fun read, especially part 1, for everyone who grew up with the Internet (and not when it was already there).

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**Machtbeben** – Dirk Müller – <https://www.cashkurs.com/machtbeben>

Facts and figures about the soon-to-be financial crisis #3. A thrilling analysis of the financial ties of global economics, and the networks and plans of global elites. (German)

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## Tools

**First Computer:** Epson 8088 MS-DOS PC  
**Favorite Editor:** vim, Codium, PyCharm, TextWrangler