

Naomi R. Ceder

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Performance Profile

Nearly 20 years activity in the open source community with 5 years on the board of the Python Software Foundation and 3 years as the chair of the PSF. Author and experienced speaker, over 30 talks and tutorials in the past 5 years, as well as numerous podcast interviews and several live coding streams. Modern languages: working proficiency in Spanish, intermediate Portuguese, basic/intermediate German and Modern Greek, beginning knowledge of Japanese.

Leader with a “make it work” attitude, able to combine and build upon open source software to create new solutions, and experienced in building developer teams.

Python expert and Linux sysadmin used to delivering multiple high uptime services with minimal resources. Experience with web applications, cloud infrastructure, and rapidly growing datasets.

Core Competencies

Python expert • Skilled certified Linux system administrator • Determined and enthusiastic problem solver • Quick and voracious learner • Experienced manager • Successful teacher and trainer • Excellent and lively communicator, speaker and writer • Team player, easy to get along with • Advocate for Diversity/Inclusion.

Technical Tools Used

Programming languages: Python, shell scripting, JavaScript, C/C++, PHP • Web applications: django, tornado, flask, CherryPy, Zope/Plone • Databases: MySQL, PostgreSQL, Redis, MongoDB, SQLite • Cloud & Virtualization: AWS services (EC2, S3, etc), Azure, VMWare server, VirtualBox • ERP: Netsuite administration and scripting

Professional Experience

Open Source Development Manager **Blick Art Supplies, Chicago** **2016 – Present**

- **Competitive Intelligence team lead** – managed team responsible for using open source tools to gather and enrich competitive intelligence. Lead move to service architecture, increased numbers of products monitored by 10% in 6 months.
- **Automated algorithmic pricing** - responsible for architecture and development of applications to algorithmically and automatically price 90,000 items against multiple competitors.
- **Key role in architecture.** Lead company wide move to exploit cloud technologies for quicker deployment and more cost effective use of computing power.
- **Provide leadership and training for developers** – lead in screening and interviewing developer candidates, manage contract developers, instituted Kanban methodology, increased productivity and improved speed of delivery. Moved team from being late to finishing projects on time.
- **Scripting and development** - advise in selection of technologies, develop Python code for ad hoc data needs, testing, proof of concept.

Corporate Trainer (self-employed) **2017 – Present**

- Create and present customized Python training sessions covering a range of Python topics. Clients include Fortune 100 companies.

Advisor **NSF Funded Project, Data Driven Learning** **2018 – present**

- **Advisor** – advisor to a 5 year NSF funded project pursuing the development of passion-driven curriculum to introduce marginalized students to data science. Project lead by Prof Lisa Dierker of Wesleyan University.

Author **Manning Publications** **2009 – 2010, 2016 – 2017, 2020 –**

- ***Quick Python Book, 2nd ed*** (2010, <http://www.manning.com/ceder>) and ***Quick Python Book, 3rd ed*** (2017, <https://www.manning.com/books/the-quick-python-book-third-edition>). Complete revision of first edition (written for Python 1.5), updating to Python 3.x, getting strong reviews as a fast, no nonsense survey of Python for professional developers new to Python. Third edition is major update, with exercises and material updated for Python 3.6
- ***Exploring Python Fundamentals Live Project*** (in development for Q4, 2020 release) – series of self directed coding activities with video to help learners explore and develop mental models of Python language features. This combination of video and activities is my idea and I will be testing/pioneering the approach.

Senior Manager/Business Systems Lead **Gamut Supply (W.W. Grainger), Chicago** **2015 – 2016**

- **Design and Implementation of E-Commerce infrastructure** – key player in ERP system (Netsuite) configuration and implementation, including scripting and interfacing, and web store implementation.
- **Play key role in architecting data flow** from end to end, including processing product data feed and interacting with web based services and interfacing between Netsuite and parent company's supply chain and warehouse management systems..
- **Provide leadership and training for developers** – lead in screening and interviewing developer candidates, manage contract developers.
- **Scripting and development** - advise in selection of technologies, develop Python/Javascript code for ad hoc data needs, testing, proof of concept.

Systems Architect/Lead Developer **RazorOccam (W.W.Grainger), London, UK** **2014 – 2015**

- **Design and Implementation of E-Commerce infrastructure** – key player in creation of international ecommerce site, leader in Netsuite configuration and implementation, including scripting and interfacing, web store implementation, adaptation, and translation, and coordination between US, UK, Japanese, and German portions of the business.
- **Provide leadership and training to developers** – interviewing developer candidates, providing orientation and training to new hires, and lead in setting development goals and strategies, direct management of development team.
- **Play key role in architecting data flow** from end to end, including processing product data feed and interacting with web based services and interfacing between Netsuite and several suppliers.
- **Manage cloud infrastructure** – lead role in creating and configuring AWS-based server infrastructure, developing monitoring, backup, fail-over, and scaling procedures for IaaS cloud based server infrastructure.

IT Director/Lead Developer Zoro Tools (W.W.Grainger), Buffalo Grove, Illinois 2011 – 2014

- **Single-handedly supported site launch** – as the only developer on staff for a 200,000+ item ecommerce site's successful launch, I supported all phases of go-live, including managing/cleaning/editing 1,000,000+ item daily data feed, creating/editing automated processes, provisioning servers (AWS), troubleshooting, modifications to web back end and UI, managing interfaces with Netsuite back end. Coordinated with Japanese sister company's developers to take over development, adaptation and maintenance of web applications.
- **Provide leadership and training to other developers** – screening and interviewing developer candidates, providing orientation and training to new hires, and lead in setting development goals and strategies, direct management of team of 7.
- **Play key role in architecting data flow** from end to end, including processing product data feed and interacting with web based services from parent company (W. W. Grainger) and interfacing with Netsuite and various external services.
- **Manage cloud infrastructure** – lead role in developing monitoring, backup, fail-over, and scaling procedures for IaaS cloud based server infrastructure.
- **Planning for continued growth and expansion** – as company continues to grow 15+% month over month, plan for increasing head count and managing services to support accelerated growth.

Director of Technology Canterbury School, Fort Wayne, Indiana 1995 – 2011

- **Designed and implemented applications** for student information/on-line classroom using Python, Zope, MySQL, django, CherryPy (2002-present). Developed applications used in all aspects of school management, with annual savings of thousands of dollars in software licensing fees.
- **Managed multiple Linux and Windows servers** providing file, print, authentication, web, MySQL and backup services for over 1000 users (2000-2010). Use of Linux, virtualization (VMWare Server) and open source products saved thousands of dollars and gave tech department flexibility to meet needs quickly.
- **Managed technology for 1000 users** in mixed Windows, Mac, and Linux environment including purchasing, deployment and maintenance of technology resources with \$175,000 annual budget, and managing tech support staff. Consistently under budget while delivering more capabilities than planned and supporting ever increasing demands (1996-2011).
- **Taught Python, Java, C** and other courses (1995-2010). Students consistently scored well on standardized (AP) exams and reported being ahead of their peers in college.
- **Developed programming curriculum** for C and Python(2001-2010), which has been influential nationally, and created Advanced Technology Certificate program (2010).

Community Involvement

- Python Software Foundation, Board of Directors Chair 2017-2020, Vice-Chair 2015-2017; elected Fellow, March 2011.
- PyCon Organizers committee - Chair of Hatchery Program, 2019-2020; Co-chair of PyCon Charlas, Talk track in Spanish, 2018-2020; Co-chair of Sprints, 2015, 2016; Organizer of PyCon Education Summit, 2013, 2014; chair for poster sessions at PyCon, 2010- 2012.
- Mentor, Bridge Program, Paideia Institute for Humanistic Study - 2019-2020.
- Trans*Code, a hack day for the trans* community, Co-founder, Organizer, London, March 2015, April 2016, and PyCon UK, Coventry, UK, Sept 2015, Chicago, USA, Dec 2016.
- PyCon UK Organising committee - originated poster session at PyCon UK, Coventry, UK, Sept 2015.
- Advisory Board of TransTech Social Enterprises, 2014-2015.
- Trans*H4ck (transhack.org) hackathon for trans issues, volunteer/mentor at Oakland, CA Sept 2013 and Chicago, IL March 28-30 2014.
- Fort Wayne Linux Users Group, 2003-2011. Co-founder and principal organizer.

Podcasts and Streams

“Exploring Python”, streams exploring/explaining Python fundamentals, <https://www.twitch.tv/nceder>, archived at <https://bit.ly/exploring-ceder>, April - June, 2020

Podcasts (links on request) – Podcast. __init__, WITTY Podcast, From the Source, Women in Tech with Ariana, Profitable Python Podcast, Greater than Code, Developmentor, Espacios Abiertos, Libre Lounge, with episodes released 2019-2020

Radio - KBOO, Portland, OR, June 07, 2016

Tutorials and Presentations

“Objects All the Way Down”, PyLadies Munich (remote), Munich, Germany, Aug 27, 2020

“Python Software Foundation y su misión”, PyMX (in Spanish, remote), CDMX, México, Aug 25, 2020

“Iteration Inside Out”, Magenta Codes (remote), Stockholm, Sweden, July 29, 2020

“La Limpieza de Datos con Python” (in Spanish, remote), Python Panamá, Panamá City, Panamá, July 28, 2020

“Staying for the Community: Building Community in the face of Covid-19”, Keynote (remote), Europython, July 23, 2020

“It really is easier to ask forgiveness (than permission), Manning Publications, Python Twitch Conference (remote), July 14, 2020

“PyLadies Guatemala City” (in Spanish, remote), Guatemala City, Guatemala, June 22, 2020 (pending)

“Tips for Data Wrangling” (in Spanish, remote), Guadalajara, MX, May 27, 2020

“La Limpieza de Datos con Python” (in Spanish, remote), Data Science Research Perú, Lima, Perú, May 20, 2020

“Building community and the impact of COVID-19 on the PSF/PyCon” (remote), PyAmsterdam, Amsterdam, NL, March 25, 2020

“Python - el lenguaje, la comunidad y el futuro” (in Spanish, remote), PyLadies Arequipa, Arequipa, PERU, Jan 03, 2020

“What is this Joy?”, Keynote at PromptConf, Chicago, IL, USA, Sept 28, 2019

“En verdad es más fácil pedir perdón que permiso” (in Spanish), PyCon LatAm, Puerto Vallarta, MX, Aug 30,

2019

- “Level Up Your Python” (Masterclass), GOTO Chicago, Chicago, IL, USA, Apr 28, 2019
- “It Really is Easier to Ask Forgiveness (than Permission)”, GOTO Chicago, Chicago, IL, USA, Apr 30, 2019
- “Innovation and Community”, Python Pizza Berlin, Berlin, Germany, Feb 23, 2019
- “Iteración - la historia secreta” (in Spanish), PyLadies Madrid, Madrid, ES, Feb 20, 2019
- “Iteración - la historia secreta”, Keynote at PythonDay México, Guadalajara, MX, Dec 1, 2018
- “Iteration inside out”, Talk at Europython 2018, Edinburgh, UK, July 26, 2018.
- “What lies ahead? Confessions of a dubious futurist”, Keynote at PyLondinium, London, UK, June 9, 2018.
- “Break the Narrative”, invited speaker at La Journée de la Femme Digital 2018, Paris, France, Apr 17, 2018
- “Obstáculos Para La Inclusión”, Keynote at PyCon Colombia, Medellín, Colombia, Feb 10, 2018.
- “Come for the Language, Stay for the Community”, Keynote at PyCon ES, Cáceres, Spain, Sept 23, 2017.
- “Não é você, são eles”, Keynote at PyLadies São Paulo 2nd Anniversary Conference. (presented via video conference), September 7, 2017.
- “What is the GIL? And why does everyone want to kill it?”, Invited talk at Python Day Mexico, Mexico D.F. (presented via video conference), June 10, 2017.
- “What lies ahead? Python’s future strengths and challenges”, Keynote at PyCon CZ, Prague, Czech Republic, June 9, 2017.
- “Obstáculos para inclusão”, Keynote at Python Brasil [12], Florianópolis, SC, Brazil, October 14, 2016.
- “Come for the Language, Stay for the Community”, Keynote at EuroPython, Bilbao, Spain, July 21, 2016, Keynote at PyCon Ireland, Dublin, Ireland, Oct 24, 2015.
- “It's not you, it's them: Reflections on being marginalized in STEM”, Keynote at Write/Speak/Code, Chicago, IL, June 16, 2016.
- “Anti-Patterns for Diversity”, Keynote at PyCon Poland, Ossa, Poland, Oct 17, 2015, keynote at ACE!Conf, Krakow, Poland, Apr 14, 2016, talk at PyCon, Portland, OR, June 1, 2016 and EuroPython, Bilbao, Spain, July 23, 2015, and Chicago PyLadies, August 11 2015.
- “Confessions of a True Impostor (a survival guide)”, Keynote at PyCon UK, Coventry, UK, Sept 20, 2015.
- “Dr. Jython: or How I Learned to Stop Worrying and Love the JVM”, PyCon UK, Coventry, UK, September 20, 2014.
- “Intro to OOP” (teacher track session, co-presenter with N. Tollervey), PyCon UK, Coventry, UK, September 20, 2014.
- “A Walking Tour of Python” (3 hour tutorial), PyLadies London, London, UK, August 16, 2014.
- “Farewell and Welcome Home: Python in Two Genders”, Flourish!, Chicago, IL, April 12, 2013; Indiana Linux Fest, Indianapolis, IN July 27, 2013; Software Freedom Day, Sept 21, 2013; PyCon, Montreal, Quebec, April 13, 2014; EuroPython, Berlin, Germany, July 24, 2014; PyCon UK, Coventry, UK, September 19, 2014.

Education

- PhD, Classical Languages and Literature, University of Wisconsin, Madison, WI.
- BA, Latin, Greek (double major), University of Nebraska, Lincoln, NE.