



DAVID SIEDBAND

SENIOR SOFTWARE ENGINEER

CONTACTS



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TEACHING

Cisco Systems (2017)

Advanced Python developer training
San Jose, California

NZ Ministry of Finance (2013)

Advanced Python developer training
Auckland, NZ

Transparency International (2013)

CMS manager training
Berlin, Germany

USAID / World Bank (2012)

Content manager training
Addis Ababa, Ethiopia

Eli Lilly (2011)

Content manager training
Los Angeles, CA

Maltese Ministry of Finance (2010)

Python/Plone developer training
Valetta, Malta

Eosta BV (2009)

Python developer training
Gouda, Netherlands

Citröen UK (2007)

Python developer training
Windsor, UK

PROFILE

Senior Software Engineer with deep experience in building and supporting mission-critical applications, where performance, reliability, and security are vital. Active and experienced in the Python and Javascript open source communities. Excellent communicator, committed to providing professional, well-informed, and highly responsive service.

EDUCATION

1997-2001

UNIVERSITY OF CALIFORNIA, DAVIS, CA - ECONOMICS B.A.

International Economics, Game Theory, Corporate Finance

WORK EXPERIENCE

NATIONAL INSTITUTES OF HEALTH (NIH)

Senior Software Engineer (2010-2020)

Python 3, Django, React, Plone, LDAP, Postgres, Linux, APIs

Provided support and development to multiple working groups within NIH including the functional MRI Facility (fMRIF) and National Cancer Institute (NCI) and Center for Biomedical Informatics and Information Technology (CBIIIT). Developed bioinformatics research tools, a system for scheduling fMRI machines, the Cancer EMR exchange web service, and APIs and React frontends for Machine Learning models.

USAID

Technical Lead (2009-2019)

Python, Plone, AWS, Javascript, Git, Django, Elasticsearch, Postgres

Lead development team for the the RM Portal, USAID's Knowledge Management and collaboration platform for their Resource Management teams working in more than 100 countries. The site hosts more than 35,000 resources on topics relating to international development along with an advanced suite of tools for research, Knowledge Management, and Collaboration. Oversaw modernization of infrastructure with migration from Python 2 to 3 and dedicated server to cloud-hosted environments.

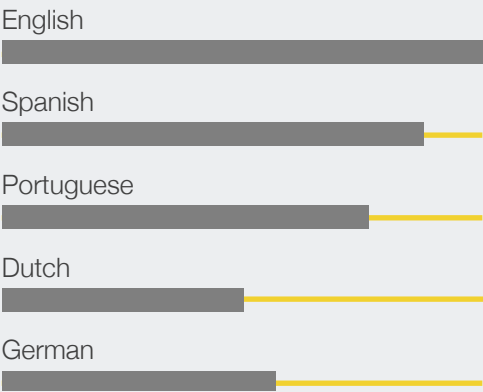
CISCO SYSTEMS, INC.

Lead Developer, Supply Chain Working Group Intranet (2015-2017)

Python 3, Linux (CentOS), LDAP, React, Plone, Angular, APIs, Chef

Designed, built, and supported a secure intranet for hardware product development and support teams, supporting more than 20,000 users. Created high-availability infrastructure including clustering, load-balancing, caching, monitoring. Developed custom applications including secure discussion forums, tools for authoring reference manuals, team workspaces, PDF publishing, and federated search.

LANGUAGES



INTERESTS

Trail Running, Aikido, Search and Rescue, Language-learning, Travel, Entrepreneurship, Bavarian Cars, Wilderness Medicine, Photography, K9 training, Camping, Rock Climbing, Sailing

WORK EXPERIENCE CONTINUED

SAUCE LABS

Lead Developer, Marketing CMS (2014-2015)
Python, Plone, Django, Github, Travis CI, AWS, Linux (Ubuntu), Ansible, Javascript, Optimizely, Salesforce, Nginx, Jenkins
Designed and developed an Agile Marketing platform based on the Plone CMS to support aggressive revenue and customer growth targets. Enabled the marketing team to more quickly execute and measure new campaigns. Performance-tuned their site for high-traffic and seamless integration with their other web-based applications including their core SaaS product and 3rd-party marketing automation tools.

SWISSNEX

Senior Python Developer (2008-2015)
Python, Plone, Linux (Ubuntu), Apache, Javascript, Github, jQuery
Developed and supported high-security, high-performance hosting infrastructure. Created and implemented strategies for improved use of social media, e-commerce, and video. Improved the SEO and maintainability of the site through targeted code refactoring. Provided responsive support to a variety of challenging technical issues

ELI LILLY & CO.

Python Lead (2010-2013)
Python, Plone, Linux (Ubuntu), SELinux, IPTables, Twilio
Developed and supported three patient education websites for Byetta and Bydureon, non-insulin injectable diabetes products for the UK and Irish markets. Coded secure applications that passed multiple rounds of intensive penetration testing and security audits. Managed patient data in strict confidence in compliance with UK patient privacy laws.

STANFORD SCHOOL OF MEDICINE

Python Developer (2008-2014)
Python, Plone, Javascript, Linux (Ubuntu), Apache
Supported a medical society with custom online tools. Built a custom Python-based CMS that manages the membership database, proposals and award nomination and voting processes. Launched a conference registration and reporting system integrated with Bank of America's Authorize.net payment gateway. Created a directory of researchers and a publications database with the materials from the 2009 ISPNE conference. Tripled site traffic in the 4 months post-launch due to organic Search Engine Optimization (SEO) techniques. Designed and implemented scalable infrastructure to support increased traffic demands and usage spikes due to conference deadlines

CALIFORNIA INSTITUTE FOR QUANTITATIVE BIOSCIENCES

Python and Linux Specialist (2009)
Python, Linux (Ubuntu), PHP, Apache
Configured and administrated a custom high-performance web server infrastructure. Provided performance tuning that increased site performance from 4 requests/second to 30+ reqs/sec while reducing server RAM usage by 50%. Successfully transferred server administration and software development skills to UCSF staff enabling them to reduce costs by managing more of their infrastructure in-house