



# DAVID SIEDBAND

## SENIOR PYTHON ENGINEER

### CONTACTS



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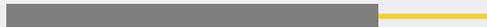
linkedin.com/in/siebo

### SKILLS

Python



Django



Flask



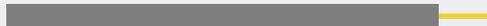
AWS



Plone



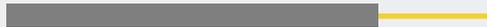
Linux



PostgreSQL



SQLAlchemy



Javascript



### 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 ecosystem with frameworks including Django, Flask, and Pyramid. Excellent communicator, committed to providing professional, responsive service.

### EDUCATION

1997-2001

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

International Economics, Market/Game Theory, Corporate Finance

### WORK EXPERIENCE

#### CISCO SYSTEMS, INC.

Intranet Lead Developer (2015-2017)

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.

#### SAUCE LABS

Lead Developer, Marketing CMS (2014-2015)

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.

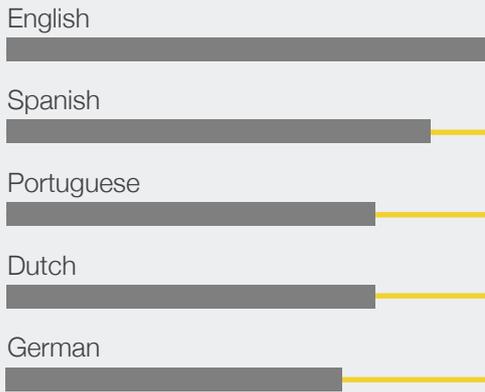
#### NATIONAL INSTITUTES OF HEALTH (NIH)

DevOps Specialist (2010-2015)

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, and the Cancer EMR exchange web service.

## LANGUAGES

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## TEACHING

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### **Citröen UK** (2007)

Python developer training  
Windsor, UK

### **Eosta BV** (2009)

Python developer training  
Gouda, Netherlands

### **Maltese Ministry of Finance** (2010)

Python/Plone developer training  
Valetta, Malta

### **Eli Lilly** (2011)

Content manager training  
Los Angeles, CA

### **USAID / World Bank** (2012)

Content manager training  
Addis Ababa, Ethiopia

### **Transparency International** (2013)

CMS manager training  
Berlin, Germany

### **NZ Ministry of Finance** (2013)

Advanced Python developer training  
Auckland, NZ

### **Cisco Systems** (2016)

Advanced Python developer training  
San Jose, California

## INTERESTS

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Trail Running, Aikido, Language-learning, Travel, Entrepreneurship, Bavarian Cars, Wilderness Medicine, Photography, Dog training, Camping, Rock Climbing, Sailing

## WORK EXPERIENCE CONTINUED

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### **USAID**

#### Technical Lead (2009-2017)

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.

### **SWISSNEX**

#### Senior Python Developer (2014 - 2015)

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)

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)

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)

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