Mark Deckert
Santa Cruz, CA

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Objective

- Full-time position as a technical writer which leverages my core competencies in web development, cloud/virtualization, networking and Linux CLI

Summary

- Seasoned software engineer experienced in both production and test automation development

- Excellent writing and communication skills

- Comfortable with industry standard languages and technologies: Python, Go, C++, Perl, Bash; EC2, Azure, KVM, ESX; Git, SQL, PKI, etc.

Experience

Member of Technical Staff August 2012 - June 2023
Riverbed Technology Sunnyvale, CA

- Developed Go REST APIs to support legacy SteelHead code running on modern processors
- Built the stats and license enforcement back end for SaaS Accelerator service
- Extended Legacy Bash code to enable ESX Provisioning of Virtual SteelHead
- Built fully automated test suites for multiple products/features using Perl and Python
- Maintained an internal web portal for POCs of Cloud SteelHead
- Comfortable working on complex legacy systems with large existing code bases
- Transitioned from Senior QA Engineer to Software Developer during 10 year tenure at Riverbed

Software Developer December 2011 - June 2012
US Teach Santa Cruz, CA

- Maintained and improved a legacy web application using C#, .NET, Coldfusion, and MS SQL
- Built a mobile web application prototype and web back end using JQuery Mobile, MySQL, Perl, Nginx, Git, and Amazon EC2

Research Assistant September 2009 - November 2011
University of California Santa Cruz, CA

- Published three conference papers and a journal article in *Information Polity*
- Built the back end of a video-enabled peer review system that leveraged information from Google Scholar and open-source code from reddit.com
- Administered several Linux servers, including migration of a large, database-backed website with significant media assets to a modern Linux distribution

Technical Writer December 2007 - February 2009
CodeGear Scott's Valley, CA

- Completed and maintained the help system of 3rdRail, an Eclipse based IDE for Ruby on Rails
- Built the help system for TurboRuby, a Ruby IDE, leveraging existing 3rdRail content
- Developed and maintained the XML-based documentation build system for these products

- **Linux Systems Administrator**   August 2006 - October 2006
  Envision Media   Santa Cruz, CA

  - Linux systems administration including OS updates, security auditing, RAID maintenance, and email delivery issues
  - Developed a backup system using rsync

- **Software Engineer / Unix Systems Administrator**   September 2005 - April 2006
  University of California   Santa Cruz, CA

  - Designed and implemented a temperature monitoring and graphing system to help with an overheating server room
  - Created a secure registration and authentication system allowing faculty to authorize wireless network access for their students and guests (Perl/Apache/Radius)
  - Built an Apache module which helped to automate the addition of new website content

- **Software Engineer**   February 2002 - October 2003
  Blue Titan Software   San Diego, CA

  - Critical role in the full life cycle of three software products: Perl Application Server, Web Services Studio, Web Services Management Infrastructure
  - Created and maintained efficient XML Manipulation APIs (Java and Perl) to assist in the refactoring of a legacy application into a fast, flexible product with a manageable code base
  - Designed and implemented a dynamic graphing system using XSLT and SVG
  - Integrated an independent, automated testing engine into the build process (ANT/Axis/SOAP::Lite)

- **Software Engineer**   July 2000 - February 2002
  VelociGen Inc.   San Diego, CA

  - Java, C, C++, Perl software development in a startup environment
  - Experience with sockets, multi-threaded environments, semaphores, complex data structures, caching and load-balancing, integration across programming languages (Perl, C and Java) and XML libraries

- **Software Engineering Intern**   October 1998 - May 1999
  Binary Evolution   San Diego, CA

  - Perl/C++ web application programming

- **Software Engineering Intern**   December 1997 - July 1998
  Qualcomm Inc.   San Diego, CA

  - Automated CDMA infrastructure testing with C++ and Perl programming
  - Strict coding style and code reviews

Teaching Experience

- UCSC Teaching Assistant   December 2004 - June 2005, January 2007 - June 2007

- UCSD Teaching Assistant   September 1999 - February 2000

Education

- **University of California**   Santa Cruz, CA
  MS, Computer Science (Machine Learning)   March 2007

- **University of California**   San Diego, CA
  BS, Computer Science   December 2000