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Christopher Rock

SUMMARY

I am a web, Python, and Java developer with experience in many aspects of both front- and back-end design and programming. I am quick and enthusiastic to pick up a new skill or learn an interesting technology. I have a proven ability to deliver products that are usable, useful, and well received.

AREAS OF EXPERTISE

Languages

- Python
- SQL
- .NET (VB, C#)
- Flash (AS3)
- HTML/JavaScript/CSS
- Java
- Visual Basic 6
- C++

Operating Systems

- Linux (Mainly Ubuntu)
- Windows
- Mac OS X

Miscellaneous Technology Experience

- RDBMS (PostgreSQL, MySQL)
- JS Frameworks (JQuery, Backbone)
- Extensive use of AWS services
- NoSQL (Mongo, Riak)
- Load Testing (Grinder)
- BI tools (Jaspersoft, Crystal Reports)

PROFESSIONAL EXPERIENCE

Python, Java, Web Developer - *Zumetrics*   2012 – 2014

Environments – Linux and Windows

Technologies – Java, Python, Web, PostgreSQL, Riak, Jaspersoft

Primary Accomplishments:

- Worked on our US team mainly in a consultant role on our data collection, analytics, and reporting system for online retailer pricing information. This entailed researching and writing specs, requirements, interface designs, and proofs of concept which were then implemented primarily by our Romanian development team. Also contributed occasional bug fixes and features to the various Java components and the JavaScript front-end.

- Co-managed our team in India working on crawlers for specific domains in Python. Worked on specs, crawler framework updates, code reviews and QA, and ran a bi-weekly call with the team for guidance.

- Revamped the system that brought in pricing data from eBay's product APIs. This involved a redesign of the administration and data review interface and the addition of an API used by the client-facing front-end.

Python, Web Developer - *NetEnforcers Inc*   2008 – 2012

Environments – Primarily Linux and Windows

Technologies – Python, Web, MySQL, MongoDB

Primary Accomplishments:

- Designed and developed the back-end API for a new client portal website with the goal of enhancing the clients' access to their data and their ability to create reports on that data. Added a complimentary, eventually consistent, NoSQL database (MongoDB) to the existing MySQL database to allow reports to be created by clients at any time without degrading performance for them or for the operations team. Also assisted in optimization and tweaking of the front-end code.

- Designed and developed a new, more efficient quality assurance interface for the operations team. The new interface streamlines the process by providing a focused view on each item individually and giving the user all of the information and tools that are necessary to deal with that item.

- Created a visual interface for the scheduler system. The interface shows what scans/reports will run on each day of a given month and allows editing the details of each item. This project was split about evenly between front-end (JavaScript/JQuery) and back-end (Python/Pylons) work for arranging and displaying the data.

VB6, ASP.NET Developer - *Gothic Software*   2007 – 2008

Environment – Windows

Technologies – ASP.NET, Web, and VB6

Primary Accomplishments:

- Recreated the reporting aspects of the company's VB6 application in its new ASP.NET replacement.

- Introduced object oriented design principles to the application to allow for easier abstraction of the basic report concepts.

- Improved usability by adding asynchronous callbacks for live status updates on report processing.

SIDE-PROJECTS

Tech-Demo Website – http://tech.abysmalsoft.org

- Small website built with Node.js and Express on the backend and Require.js, Backbone, jQuery, and Bootstrap on the frontend

- Showcases some of my past and ongoing side projects including:

  o A geohash calculator inspired by XKCD

  o A simple raycaster built in pure JS with canvas for display

  o A multiplayer, Flash and Starling based pong game

EDUCATION

University of Florida   2005 – 2008
Gainesville, FL

- Graduated Cum Laude with a B.S. in Computer Engineering

- Earned Deans List status as well as President's Honor Roll

Personal and professional references available upon request