Tres Allen Spicher

Experience

**2011**

Designed, developed and marketed secretsantagenerator.net, garnering 12,000 unique visitors and securing a page one SERP spot on Google for a popular search term within two months of launch. (Ruby on Rails, PHP)

**Software Engineer, Boulder Labs**

2008-2011

Implemented, tested and documented a successful web interface to a high-speed disk controller within two months. (Ruby on Rails, C, XML-RPC)

Led development and linguistic research for a scalable grammar-checking service for a major education company. I took the project from proof of concept to a production and helped achieve unprecedentedly accurate and precise results for correcting grammar in children’s writing. (Java EE)

Designed, developed and marketed secretsantagenerator.net, garnering 12,000 unique visitors and securing a page one SERP spot on Google for a popular search term within two months of launch. (Ruby on Rails, PHP)

**Founder, Spike Software**

Provided Ruby on Rails services to ClosetGroupie and 27 Perry. I implemented a complete shopping cart system, social integration, payment provider integration, automated e-mailing, background job processing, detailed site analytics, and an administrative backend, significantly expediting launch. (Ruby on Rails)

**Consultant, 27 Perry, TechStars Boulder class of 2012**

**Software Engineer, Boulder Labs**

2012

Co-developed a tested, reliable high-level network protocol for asynchronous transmission of serialized objects. Used as the core communications protocol in emergency dispatching systems across the United States. (C++)

Implemented a responsive, event-driven interface to a DARPA-funded physics visualizer. (Python, C++, Qt)

Implemented, tested and documented a web interface to a high-speed disk controller (including an ActiveRecord emulation layer) on-time and within budget. (Ruby on Rails, C, XML-RPC)

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Created a file synchronization tool used in fire departments around the United States. (Python, C++, wxWidgets)

**Developer at Level 3 Communications**

January 2007 – March 2008

Implemented a SIP call flow analysis visualization tool. **(Ruby)**

2011

Overhauled automated testing system; testing began two weeks early. **(Ruby)**

Education

M.S. Computer Science, University of Colorado at Boulder. 2008. GPA: 3.98/4.0

B.A. Linguistics, University of Colorado at Boulder. 2006. GPA: 3.90/4.0

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**References**

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Kelly James kelly@27perry.com *References:* David Van Wie vanwie@boulderlabs.com

Robert Gray bob@boulderlabs.com *References:* Rachel Kim

Rajesh Mosur