

Drew Kerrigan

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Summary

Hard working technology generalist focused on building highly available and scalable applications on distributed systems. Interested in new technologies, solving hard problems, and open source software development.

Professional Skills

Languages

- Erlang/OTP
- Elixir
- Python
- Golang
- Java
- Ruby
- Node.js

Specialties

- Development
- Architecture
- Benchmarking
- Automation
- Data Modeling
- Consulting

Technologies

- Apache Mesos
- Distributed Systems
- Map / Reduce
- REST/Web
- Relational Databases
- NoSQL
- Orchestration Tools
- Virtualized Environments
- Queue Systems

Previous Employment

Basho Technologies MAY 2012 - PRESENT

PROFESSIONAL SERVICES ARCHITECT

Delivering professional services and architecture consulting with a focus on large scale system architecture and full stack development. Supporting full product lifecycles for Basho products, community driven projects, and client uses-cases / applications. Became very familiar and proficient with a variety of technology stacks.

While not working with clients, most time spent on research and development of new applications to improve user / developer experience with Riak and Riak CS.

Utilizing: Erlang/OTP, Golang, Mesos, Ruby, Node.js, Python, Java, Hadoop, Riak, Riak CS

Notable Projects: [Riak Mesos Framework](#), [Riak Explorer](#), [Riak Elixir Client](#), [Riango](#), [Nagios HTTP JSON](#)

CONSULTING ENGINEER

Client facing software/devops consulting from architecture to deployment and everything in between. Also contributor to open source software projects as well as many projects internal to Basho. Focused on distributed systems and building data solutions for difficult problems.

Diving into new technologies and platforms and quickly becoming proficient in fast changing environments according to customer needs and project requirements.

Utilized: Erlang/OTP, Ruby, Node.js, Python, Java, Riak, Riak CS

Stella & Dot MARCH 2011 - MAY 2012

SENIOR SOFTWARE ENGINEER

Worked under the lead architect during the complete re-architecture of the production site of a complex direct sales e-commerce application. Was responsible for large pieces of a multi-tier system with functionality spanning the central API layer integrating with internal and external services, e-commerce, and writing RESTful services to tie them all together. Also worked with multiple vendors to integrate services.

Utilized: Amazon Web Services, E-Commerce Platforms

Lockerz, Inc. NOVEMBER 2009 - MARCH 2011

LEAD SOFTWARE ENGINEER

Played an integral part in the complete re-architecture of the production site of a highly scalable social network. Helped architect and implement the middle to backend tier using PHP (CodeIgniter). Owned the core services project as part of the platform team which integrated with the large scale data access layer (Java over ICE) as well as multiple external APIs. Self appointed security auditor of our code due to endless attempts by hackers to get around user interfaces and gaming our system. Gained experience in e-commerce (Magento), media players (images and videos), and social network application engineering.

Utilized: Java, E-Commerce Platforms, ActionScript, Amazon Web Services

Swift JUNE 2007 - NOVEMBER 2009

SOFTWARE ENGINEER

Implemented incremental enhancements given customer input for several products on varying frameworks. Designed and implemented multiple data driven web applications including a Scrum planning system that is still being used.

Utilized: Emerging MS technologies, Java, Oracle

Schrumm Solutions JUNE 2009 - NOVEMBER 2009

SOFTWARE ENGINEER

Worked alone on ASP.NET / C# web applications. Created a SQL Server Reporting Services web interface end to end.

Utilized ASP.net with C# backend, SQL Server, jQuery AJAX with RESTful endpoints

Firststring LLC SEPTEMBER 2008 - JANUARY 2009

DEVELOPER

Worked remotely with a small team of engineers to rapidly develop new features for a growing sports social networking site.

Utilized PHP, Ruby on Rails, MySQL, jQuery AJAX with RESTful endpoints

WVU Facilities Information Systems SEPTEMBER 2006 - MAY 2007

WEB APPLICATION PROGRAMMER

Designed and implemented (end to end) a large dynamic form system to replace incident and case report paper based system for the WVU Department of Public Safety.

Utilized: Oracle application and database technologies

QSS Group Inc. MAY 2005 - AUGUST 2006 (SPLIT)

PROGRAMMER / ANALYST

Gained secret security clearance working at the USCG Operations Systems Center. Modernized a mission critical website for a Coast Guard business system. Designed and implemented data driven Oracle Forms.

Utilized: Oracle application and database technologies

Geospatial Development Center MARCH 2005 - MAY 2006 (SPLIT)

RESEARCH ASSISTANT / PROGRAMMER

Designed and implemented 3D mapping software using OpenGL along with the .NET framework.
Redesigned the website's infrastructure so that it is data driven PHP.

Utilized PHP, C#, C++, and OpenGL

Education

West Virginia University 2003 - 2007

COLLEGE OF ENGINEERING

Bachelor of Science in Computer Science