Kenny Ballou

https://kennyballou.com

kballou@devnulllabs.io | 208.806.1442

PUBLICATIONS

BOOKS

Learning Elixir, Packt

Elixir: Scalable and Efficient Application Development, Packt

PAPERS

OpenCUDA+MPI, BSU, SRI

SKILLS

PROGRAMMING

Elixir/OTP • Python • Java • Erlang/OTP
C • C# • Go • Bash • JavaScript

TOOLS/OTHER TECHNOLOGIES

GNU/Linux • Git • LaTeX • Markdown
Mercurial • GNU Make • Maven
Emacs • Vim • IntelliJ
Amazon Web Services • PostgreSQL
Hadoop • Spark • Storm • Kafka

LINKS

Github:// **kennyballou**

Bitbucket:// **kballou**

EDUCATION

BOISE STATE UNIVERSITY

APPLIED MATHEMATICS, B.S.

December 2014

Student Research Initiative (SRI)
Fellowship Recipient (2013)

COURSEWORK

UNDERGRADUATE

Partial Differential Equations
Data Analysis
Graph Theory
Parallel Computing
Numerical Analysis I

NOTABLE MENTIONS

- Linux Kernel Contributor
- Various other FOSS Contributions

Sun Valley Ski Education Foundation

- National Bronze Medalist
  Open-Mens Half-Pipe (2009)
- Three time invitee (Project Gold) US
  Olympic Snowboard Team Camp

EXPERIENCE

HOMECU, LLC | SITE RELIABILITY ENGINEER

March 2017 - Present

- Design, develop, and administrate AWS infrastructure and automation for new production stack using Docker, Cloudformation, Python, and various other tools and technologies

ZDATA, INC | SOFTWARE DEVELOPER

January 2016 - January 2017

- Design, develop, and maintain software applications in support of our managed services team

CLEARWATER ANALYTICS | SOFTWARE DEVELOPER

July 2015 - December 2015

- Design, develop, and maintain full-stack web applications, specifically in the Asset Manager space

ALPINE DATA LABS | DATA SOLUTION ARCHITECT

January 2015 - July 2015

- Developer and maintainer of several internal and external toolkits and libraries
- Provide assistance for the sales and technical account managers regarding proof-of-concepts and other technical concerns with Alpine/Chorus
- Perform or consult on remote installs

ZDATA INC. | BIG DATA ENGINEER

Jan 2014 - Jan 2015 | Boise, ID

- Work with and provide support for EMC/Pivotal database technologies
- Research and evaluate several big data technologies including: Hadoop, Spark, Storm, and Kafka, as well as other technologies such as PostgreSQL and Zabbix

BOISE STATE UNIVERSITY | RESEARCH ASSISTANT

2013 | Boise, ID

- Research and develop a new framework for heterogeneous CUDA-capable GPU clusters

BOISE STATE UNIVERSITY | STUDENT HPC SYSTEMS ADMINISTRATION ASSISTANT

Summer 2013 | Boise, ID

- Provide technical support in a GNU/Linux driven high performance computing environment
- Configure advanced GPU/CPU scheduling into Sun Grid Engine (SGE)
- Downsize and clone an Idaho National Laboratories (INL) based mini-Cave

POWER ENGINEERS | INTERN SOFTWARE DEVELOPER

2008 - 2013 | Boise, ID

- Design, develop, and maintain full-stack custom applications for internal POWER operations using ASP.NET/WebForms/MVC in C#, HTML/CSS, and JavaScript
- Developed internal libraries, API bindings, and network administration applications