

Al Piepho

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Web Full Stack Developer

- Leveraging extensive background in Embedded Systems development to Web Full Stack Development
- A self starter who welcomes the really difficult problems, and is a life long learner
- Have written several tools that auto generate HTML with specific links better visualize a projects software source or compiled output
- 3 years coding with Ruby and marshaling to Native C as part of a test tool stack
- Quickly ramping up on Web terminology, available components, and packages through various online tutorials. Technologies include Ruby on Rails, Node, Angular, Express, MongoDB, hosting on Heroku
- Rapidly completing LinkedIn/Lynda online courses for Full Stack Development, including HTML, Javascript, CSS, Web Databases, React, React Native
- Building portfolio of Web applications based on Ruby on Rails, and MEAN (MongoDB, Express, Angular2 and Node)

Relevant Experience

Web Applications

- Have completed and deployed the “Ruby on Rails Tutorial” by Michael Hartl
- Built and deployed a Rails site that is a template for baseball player profiles that is customizable with specific player information
- Building other Angular 2 based applications
- Porting Angular 2 based application to React
- Building set of Chrome Extensions

Web Servers

- Built custom Google App Engine server for de-coupling GWT Web application project from device the application deploy on
- Ramping up on Node.js

Web Application Deployment

- Have deployed several small projects to Heroku
- Understand the basics of how AWS (Amazon Web Services) works

Testing Systems

- Very familiar with Unit Testing concepts and have written unit tests for most projects
- Used Selenium and SauceLabs for testing a GWT app based web application
- Recently used Selenium based Ruby framework to 'web scrape' baseball statistics

Embedded Systems Programming

- Have worked on many successful embedded systems projects including Digital Still Cameras, Digital Video Cameras, and high speed SERDES (Serialization/Deserialization) ASIC cores
- Expert in code size issues
- Expert in debugging embedded systems with very little support for significant logging

Programming Languages, Operating Systems, Etc.

- HTML, CSS, Javascript, Ruby, C, C++, Asm, Java, Linux Scripting, JSON, XML, REST
- Git, Github, Bitbucket, Cloud9
- Know what "Chunky Bacon" means
- Avid listener of "Software Engineering Daily" Podcast
- Linux, Mac, Windows

Work History

Web Developer Training	- Thatname Consulting, Ft. Collins CO	2017-
Senior Firmware Engineer	- Broadcom LTD, Ft. Collins CO	2013-2017
Firmware/Software Engineer	- Schneider-Electric, Ft. Collins CO	2008-2013
Software Engineer - NAS Storage	- Hewlett Packard, Ft. Collins CO	2007-2008
Firmware Engineer - Digital Cameras	- Hewlett Packard, Ft. Collins CO	2002-2007
SW Lead - Consumer Entertainment	- Hewlett Packard, Ft. Collins CO	2001-2002

Education

Bachelor of Science, Electrical Engineering - University of Colorado, Boulder CO
Bachelor of Science, Computer Science - Iowa State University, Ames IA

Awards

Author on 6 U.S. Patents, see LinkedIn page for more details

Portfolio

<https://bit.ly/thatname-group-portfolio>

