



Justin Thomas

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[LinkedIn](#)

[GitHub](#)

Skills

Languages

Golang

JavaScript

Python

Clojure

ClojureScript

Perl

Ruby

CoffeeScript

Regular Expressions

Database

PostgreSQL

Redis

BigQuery

MongoDB

Oracle

MySQL

General

Kubernetes

node.js

emacs

vim

tmux

git

RabbitMQ

Eclipse

CVS

Jenkins

VMWare

VirtualBox

BEA Weblogic

JBoss

Maven2

ANT

Tomcat

Minitab

Excel

PowerPoint

Word

Red Bull Director of Engineering

August 2018 to Present

Red Bull TV

Managed teams responsible for back-end infrastructure for redbull.tv including API, Recommendations & ML, and DevOps. Responsible for developer experience and architecture of platform for all APIs and mobile traffic. Created testing and monitoring infrastructure of APIs in Google Cloud. Migrated TV platform to Kubernetes in Google Cloud.

Golang

Node.JS

JavaScript

nginx

Google Cloud Platform

Kubernetes

TensorFlow

postgres

D3

Bash

Red Bull Lead Software Engineer

January 2013 to August 2018

Red Bull TV & Sound Select

Managed team responsible for back-end infrastructure for redbull.tv including API and devops. Responsible for developer experience and architecture of platform for all APIs and mobile traffic. Created testing and monitoring infrastructure of APIs in Google Cloud. Also built systems to detect performance problems before consumers detected a degradation of service. Performance analysis of

system using time tested tools and techniques. Architecture was responsible for >90% reduction of operational costs. Previous work includes: A platform for managing musical artists, live events, and tracking social media buzz around both. Online music player with social sharing of consumer made playlists Data mining of artist social activity so artists and Red Bull could detect the social media growth of artists and correlate social media growth to shows played and tracks released Ranking algorithm in Clojure to rank artists based on social media data and machine learning to create dynamic trending lists.

Golang

postgres

nginx

ElasticSearch

JavaScript

Node.JS

Angular

Clojure

MongoDB

Redis

D3

Bash

Chromatik Lead Software Engineer

August 2011 to March 2013

On two developer team that built a web app that allows users to upload PDF versions of their sheet music and make sharable annotations and recordings of it. The scores can be shared to others for use in both a classroom and professional bands. The work I did was featured in [TechCrunch](#), [Forbes](#), [Wall Street Journal](#), and used on American Idol. Received a \$5 million Series A round.

Node.JS

CoffeeScript

Backbone.JS

MongoDB

Bash

Rally Software Senior Software Engineer - R & D

April 2010 to September 2011

[Agile Zen](#)

Primary job function is adding features to an Agile based project management tool that has 40,000+ concurrent users, which is currently rated the number one agile tool. Other projects included building internal cloud based application to store rotating logs from the main application, our search indexes, attachments uploaded by users, and run Map/Reduce for data mining using Hadoop on a CentOS cluster. Implemented a tagging feature. Researched new analytics architectures and implemented working model using JavaScript based charting solutions and MongoDB.

Java

Spring

Grails

Oracle

Node.JS

CoffeeScript

Bash

Verizon Business Senior Software Engineer

November 2006 to April 2010

Was in charge of redesigning the application architecture used by our network management group. Wrote a search engine that decreased search times from 20 seconds to 10 milliseconds using Apache Lucene. Implemented proof of concepts with Flex3 and Java backend, GWT, and JavaScript. Wrote a hook for the network management platform Smarts to our ticketing system for automated ticketing. Past accomplishments include examining existing algorithms for added performance enhancements. Some such enhancements decreased data load time from seven minutes to five seconds. Designed and developed a series of applications to increase productivity for the existing team of developers, which included writing class dependency generator, database driver wrapper to monitor queries.

Java

Spring

Oracle

Flex

GWT

Bash

First Jobs, college, and internships

June 1998 to July 2006

bioMerieux Java Developer Intern

NCSU Lab Intern

Honeywell Inc. ASP.NET Developer

Freelance @ Shattered Reality Designs Sys/Linux Admin, Web Designer

North Carolina State University

Bachelor of Science Bachelor of Science Minor

Biochemistry

Philosophy

Computer Science

Extracurricular

Flying Activities

Instrument Rated Private Pilot License (HP/Complex), D Skydiving License, P2
Paragliding License

Ambush

Built a simple web game with ClojureScript.

Sider

An inverted index for redis text search.

Informant

A node performance monitor.

HideHeid

Chrome App to block users on various forums.

QuickLog

An webapp to record wingsuit flights.