

MATTHEW CHAVEZ

SR. SOFTWARE ENGINEER

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SUMMARY

Sr. Engineer who started out doing full stack web development in Ruby. I have taken on iOS apps, managed full infrastructure with dev ops tools and branched out into other languages like go and python. In addition, I publish and maintain a large variety of open source projects on Github. I am comfortable managing projects and am able to see them through with a focus on testing, metrics profiling, maintainability and extensibility. I value working in a small team atmosphere where there's collaboration, transparency and tool flexibility.

SKILLS

- **Cloud hosting:** AWS, Digital Ocean, Others
- **Configuration management:** Ansible, Packer, Terraform, Consul Template, Hubot
- **Cluster management:** Consul
- **Metrics:** InfluxDB, Statsd, collectd
- **Monitoring:** NewRelic, Nagios, Grafana
- **Alerts:** Pager Duty, CloudWatch
- **Logging:** Logstash, Kibana, Elasticsearch
- **Databases:** PostgreSQL, Redis, MySQL, MongoDB, Riak, DynamoDB, RDS
- **Cache:** Memcached, Redis
- **CDN:** CloudFront, Cloudflare
- **Messaging:** RabbitMQ
- **Workers:** Celery
- **Load Balancing:** ELB, HAProxy, Nginx
- **Container Management:** Docker, K8S
- **Virtualization:** Vagrant, VBox, VMWare
- **Web stack:** Rails, Flask, Django, Golang, Node.js, React.js
- **Other languages used in stack:** C, Erlang

WORK EXPERIENCE

- **9/2016 – Current** **Teespring**
Sr. Software Engineer

As a senior engineer, I am leading through mentorship to ensure best engineering practices within an XP approach. Helping lead project management for my team to keep focused on releasing and estimating project complexity leaning on agile processes. Daily I do pair programming, TDD, BDD and work in the full stack with React, ES6, vanilla JS, SASS, Ruby, Rails, RSpec, Capybara, Sidekiq.

Key Projects:

- Implement and build an e-commerce cart and integrate into existing site
- Worked with Pivotal Labs to help implement better engineering practices
- Re-architect and re-write seller storefronts for creating custom sites with their products
- Implement modular API driven features to be consumed by front end JS apps

- **10/2015 – 3/2016** **Bugsnag**
Sr. Software Engineer / DevOps Lead

Built a dev ops team to instill automated infrastructure as code and documentation, to modernize current infrastructure with containerization, and manage enterprise on-premise installation of Bugsnag tools. Helped guide team with architecture and system design for service decoupling the app into services.

Key Projects:

- Containerized services and apps to modernize stack and stability for CI and enterprise builds
- Introduced large scale instrumentation of apps with grafana and InfluxDB and statsite
- Managed and set up large Elasticsearch cluster in redundant and auto-scaled architecture in AWS
- Managed TBs of data in Mongo, running in a 3 node setup of master, client, data
- Re-wrote Chef setup and used Chef Server for provisioning auto-scaled machines

- **9/2014 – 10/2015** **Guidebook**
Sr. Software Engineer / DevOps Lead

Completed a full re-organization of company infrastructure for a v3 rewrite of the Guidebook site. Introduced and implemented new technologies to help drive the management and self-documenting of

the new infrastructure, designed with high availability in mind using HAProxy, Nginx, and ELB for load balancing. Auto-scaling groups are used to dynamically bring up nodes for increased throughput. Consul was used to manage auto-service discovery, node management, and configuration management for the various environments. Built several custom tools in Golang to allow developers to inspect and deploy our applications and trigger Ansible Playbook rolling deployments of apps for zero-downtime.

Key Projects:

- Introduced Ansible as a configuration management tool
- Re-architected all new infrastructure and introduced dev op tools to manage servers
- Managing dev/staging/production parity with Vagrant and Ansible
- Introduced continuous integration to deploy to clusters of machines

- **3/2013 – 4/2014**

Kiip

Sr. Software Engineer

Helped scale and manage our large ad network. Spent the majority of my time building out services to improve performance and reliability of the code and site as well as helping out with infrastructure management and configuration with our Dev Ops lead.

Key Projects:

- Built service in Go to replace Python code logic for serving our ad inventory
- Built a Riak proxy in Go to improve our PUT and GET times
- Helped move from Puppet to Ansible and introduced Golang to the tech stack
- Managed metrics dashboards displayed around the office

- **5/2011 – 3/2013**

AuthorityLabs

Software Engineer / Lead Developer

Hired as first lead developer to work with the CTO to build and maintain a network of scraping workers, a client API, and to re-write the user-facing website. Systems were built with scalability in mind to process millions of requests a day and allow users to access their history of SEO rankings. MongoDB was used to store massive amounts of search rankings a day as well as redis for workers.

Key Projects:

- Service for a client to process millions of rankings monthly.
- Managed, built, and maintained a complete re-write and re-architecting of main web site.
- Billing systems re-writes for old client app and the API
- Worked on partner API for clients to get keyword ranking data
- Maintaining scrapers and ensure SERP parsing is below error thresholds and SLAs

- **8/2008 – 5/2011**

Integrum

Software Engineer / Agile Consultant

EDUCATION

B.S. Computer Science w/emphasis in Software Design

Arizona State University

CERTIFICATIONS

12/2013 Stanford Machine Learning

Coursera