MATTHEW CHAVEZ

SR. SOFTWARE ENGINEER • DEV OPS

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SUMMARY

Software engineer who started out doing full stack web development in Ruby. Since my start I have taken on iOS apps, manage 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. Working in a small team atmosphere where collaboration, transparency and choosing the right tool for the job is what I value in an engineering role.

SKILLS

- **Cloud hosting**: Amazon Web Services (AWS), various 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 (Machine, Compose, Swarm)
- **Virtualization**: Vagrant, VirtualBox, VMWare Fusion
- **Web stack**: Ruby, Rails, Passenger, Python, Tornado, uWSGI, Jinja, CoffeeScript, Javascript, CSS, SASS, Django, Python, Gunicorn, Node.js, React.js, Backbone.js
- **Other languages used in stack**: C, Erlang

WORK EXPERIENCE

9/2014 – present **Guidebook**
Sr. Software Engineer

Completed a full re-organization of company infrastructure in preparation for a v3 rewrite of the Guidebook site. I introduced and implemented new technologies to help drive the management and self-documenting of the new infrastructure. All services and parts of the infrastructure were 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 is used to manage auto-service discovery, node management, and configuration management for the various environments. I build 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. Helped introduce Golang to tech stack as well as helped move from Puppet to Ansible.

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
- Managed metrics dashboards displayed around the office

5/2011 – 3/2013 **AuthorityLabs**

Lead Developer / Software Engineer

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

Key Projects:

- One off app for client to process monthly rankings of millions of keywords across their full suite of sites. Automated the processing of their CSV data and output CSV rankings to Dropbox each month.
- Complete re-write and re-architecting of client application. This included planning and building out from front end code to back end and infrastructure management.
- Billing systems re-writes for old client app and the API

EDUCATION

2005 – 2009 Arizona State University

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

CERTIFICATIONS

12/2013 Coursera

Stanford Machine Learning