Jason King

Lead Software Engineer

Contact

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(619) 663-6876

Various Links

- *StackOverflow*
- *RubyGems*
- *Github*
- *LinkedIn*

Languages

- Elixir
- Ruby
- Javascript (ES3-6)
- Perl (5)
- Java
- C
- C++
- Bash
- sed
- VB
- Delphi

Frameworks & DSLs

- Phoenix
- Rails
- node
- ERB
- Haml/Slim
- SASS/SCSS
- RSpec
- xUnit
- Jasmine
- Jade
- Capistrano
- React
- Ember
- Knockout
- Batman

Other Tech

- Git
- Regex
- PostgreSQL
- MySQL
- CouchDB
- Sidekiq
- AWS
- Heroku
- Redis
- Travis
- Circle
- Jenkins
- Puppet
- Chef
- Docker
- Swarm
- Apache
- nginx
- iptables
- sendmail
- procmail
- Elasticsearch
- Sphinx
- Solr
- Lucene

Technology-agnostic, autodidactic polyglot who is excited about building the house, not which brand of hammer we're using. Hands on software developer with over 20 years of experience solving problems that no one else wanted to tackle in a wide variety of technologies, and over 10 years of leading teams doing the same.

Full stack engineer, which to me means I've compiled kernels, not that I also write JS (although I do that too :)

An excellent communicator who enjoys being able to mentor others in the futile effort to repay his own mentors.

2020 to Now — Head of Software – Frontline Wildfire

Elixir, PostgreSQL, AWS, ReactNative, VerneMQ

- Led team of both in-house and external developers for embedded firmware, broker, API, and mobile app
- Reduced controller outages from ~ 15/month to zero
- Redesigned physical plumbing/manifold/valve layout to eliminate serious design flaws

2019 to 2020 — Lead Software Engineer – Farmstead

Rails, React, Heroku, Sidekiq, PostgreSQL, ML

- Implement features on Rails app during high growth
- Led small team in web and iOS development
- Implemented best practices in architecture, code review, testing, and deployment

2015 to 2019 — Lead Software Engineer – Various Contracts

Rails, PostgreSQL, Sidekiq, Capistrano, Bash

- Dev for Global Foundries (inventory management intranet) in Rails, rearchitected to reduce duplication and standardize error handling
- Dev for Care Academy in Rails, reduced load time of dashboard from > 15s to 1.5s
- Dev for HaulHub in Rails, rearchitected app using command pattern
- Dev for Amco Education (school evaluation system) in Rails from scratch
- Responsible for all client interaction: requirements gathering; project management; software development

2014 to 2015 — Senior Software Engineer – Peerstreet

Rails, Heroku, Sidekiq, Docker

- Lots of refactoring and maturing of pre-launch code
- Spearheaded efforts to adopt best practices in architecture, testing and deployment
- Evaluated using Docker for dev/prod parity
- Delivered several customer features using Rails and Javascript

2009 to 2014 — VP Engineering – Amco Education

Rails, Bash, Node, MySQL, CouchDB, Sidekiq, ...more

- Rebuilt failing payment server and migrated to it in under 24 hours, new payment system went on to achieve 100.00% uptime 5 years running
- Successfully delivered iOS-based digital publishing system using multi-node CouchDB replication
- Grew IT team from 3 to 20, creating a culture of innovation & mentorship
- Adopted highest industry standards for security, auditing and monitoring

1999 to 2009 — Principal – Handle IT

Perl, Rails, MySQL, PostgreSQL, nginx, ...more

I created and led my consulting company with 5 full time engineers for 10 years

Some personal achievements during that time:

- Reduced sync time for Telstra's IIS personal website system from over 36 mins to 25 secs by replacing an $O(n^2)$ algorithm with an LCS sequence traversal
- Rewrote News Limited's live scoring system improving availability, adding alerting and reducing the score delay from over 3 minutes to under 10 seconds
- Created Unwired's "Availability" tool, using a GIS mapping overlay and address database, saving them over $250k per annum

1995 to 1999 — Software Engineer – Various Contracts

Java, C, C++, Delphi, VB, ASP, ...more

- Wrote a Windows GUI for 3270 terminal emulator in both Java and Delphi
- Reduced processing time for check scanning driver in C by 20%
- Wrote group/business billing system for Bigpond Home in MSSQL
- Wrote the template-based web-hosting product in ASP for Bigpond Webhosting