

# Ivan Alonso

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## Summary

Seasoned technical manager, architect and leader with over 15 years of industry experience. Excellent communicator and speaker. Expert knowledge and working experience in all facets of software design, development, testing, and deployment, including high-scale PaaS, SaaS and IaaS using open-source software and industry-standard best practices and security. Also experience working with cloud-based providers like AWS and GCP, as well as hybrid deployments.

A natural leader that leads by example and actions, and focuses on mentoring team members to help them achieve their career goals. Laser-focused on results-based objectives, deliverables and KPIs.

## Technologies and Skills

Web	PKI, TLS, Jetty, Nginx, Apache, WebServices,
Code and Data	Java, Shell, Node, Ruby, Python, Maven, Git, SVN, MySQL, NAS, Splunk
Project	Agile, Waterfall, JIRA, Jive, gDocs, Trello, Gantt
Testing and Deployment	WebDriver/Selenium, JUnit, JMeter, TestNG, Appium, Jenkins, Chef

## Highlights

- Led Pubs to switch to an open-source PaaS (Kubernetes) solution. In the span of 3 months I managed a team to deploy Kubernetes on-prem to serve 25% of sports.yahoo.com traffic. The project started as a blank-whiteboard requiring excellent collaboration and negotiation between Yahoo's network, procurement, ops and dev teams. I was responsible for overall delivery as well as progress reporting to senior and executive management.
- Catalyst for switching to open-source testing automation and load-generation tools at Yahoo. This saved Yahoo millions of dollars in software licenses to third-party providers and helped recruit talented engineers that were already well-versed in such tools.
- Helped sports.yahoo.com become one of the best-performing destinations for Sports through the creation of a self-service SaaS performance testing open-source solution. It allowed Yahoo teams to release with high-confidence in their ability to perform and sustain high traffic load.
- Developed an on-prem WebDriver automation infrastructure that powered over 100K tests daily. The IaaS was used by everyone at Yahoo and helped to reduce the deployment time of applications by 50% through parallelization.
- Saved Yahoo over \$200k through analysis, investigation and recommendation of a third-party page-rendering performance tool, rather than building and maintaining it in-house.

## Experience

### **Yahoo Inc, Cloud Kubernetes Architect, Jan 2017 - Present, Sunnyvale/Barcelona**

Responsible for investigating how AWS, GCP and other cloud providers compare with Yahoo's own infrastructure. I work with a team to prototype secure and cost-conscious Kubernetes deployments

which allow Yahoo PUBs to easily expand and serve Yahoo PUBs' traffic from cloud-providers, and presenting our proposals to the PUBs and Yahoo Senior tech councils for review and feedback.

### **Yahoo Inc, Engineering Manager, Oct 2016 - Jan 2017, Sunnyvale/Barcelona**

Managed the delivery of a brand-new PaaS based on Kubernetes which could support 25% of sports.yahoo.com traffic. The project involved leading and managing 15 engineers and 2 architects across the PUBs organization. The project's goal was aggressive and required strong planning, leadership and negotiation. I was responsible for the overall delivery of the project, working with Yahoo's network and platform teams to ensure and negotiate the necessary support, making sure we continually executed against the various milestones we set for the project, and reporting our progress to upper management. The project was a success and was able to reduce our server footprint by over 50%. The project is being used as an example of collaboration amongst teams within Yahoo Pubs and Platforms while also a strong contender to become the next PaaS at Yahoo.

### **Yahoo Inc, Product Owner and Architect, Aug 2013 - Sep 2016, Sunnyvale/Barcelona**

Responsible for hiring, managing and mentoring a team of 7 engineers tasked with creating various SaaS/laaS solutions to enable Yahoo PUBs developers to deliver high quality, and performant software to our customers. Of note, we converted two pieces of popular software, Selenium and JMeter, into services that could be easily used by PUBs developers for testing their software. Our team was responsible for maintaining the infrastructure and software upgrades of the services. The Selenium laaS commonly managed 100K tests daily, while the JMeter SaaS can generate and measure up to 350K Requests Per Second in a single test execution. As the PO I was responsible for working closely with stakeholders and capturing requirements, while also maintaining a full backlog of requirements ready for the team to execute against.

### **Yahoo Inc, Senior Software Engineer, Jan 2010 - July 2013, Sunnyvale**

Designed and guided the creation of testing frameworks and investigation of software tools which developers could use to automate the validation of Yahoo desktop and mobile applications. We developed a testing framework based on Java, TestNG and Maven which allowed us to modularize the various pieces of a page. This approach eliminated duplication and reduced execution time by up to 75%. Traveled to various Yahoo offices to evangelize the use of our tools and to work with stakeholders to ensure their requirements were captured and included into future releases of our tools.

### **Yahoo Inc, Senior Quality Engineer, Mar 2004 - Dec 2009, Sunnyvale**

Worked with management to increase staffing by screening, interviewing and providing recommendations on candidates. Worked with various teams within the Yahoo Media organization to ensure our applications had proper testing automation in place to allow for fast and bug-free releases. Responsible for creating the first automated testing suite for a Yahoo Media property, tv.yahoo.com, using open source technologies (Selenium). Until this point, all automation was done using commercial tools like Mercury. I was also responsible for providing guidance on the creation and execution of test suites for other Yahoo Media properties like sports.yahoo.com, news.yahoo.com, etc.

### **Ancestry.com, Quality Engineer, Jan 2001 - Feb 2004, Fremont**

More information available upon request.

## **Education**

Bachelor of Computer Information Systems