

John Kenyon

Director/Principal Software Engineer, Magic Leap

700 Agnew Rd APT 436
Santa Clara, CA 95054
(775) 741-6483
JLKenyon@gmail.com

Summary and Intentions

Experienced Software Engineer, Tech Lead, and Manager. Experienced in AR/VR platform development. Past experience in web/cloud services. Looking to pivot towards AI/ML and product centric development.

Experience



Magic Leap Sunnyvale, CA, 9 years

Principal Software Engineer/Director Software Engineer [C++, management]

2015-2017, IC, developed a C++ job execution graph for running CV/ML jobs. Developed several public facing APIs for our Perception stack. Integrated E/M based 6dof controller to our AR device. Worked across the org to triage and fix bugs and design issues. Extensive travel for work in support of our first product launch. Launched Magic Leap One.

2017-present, Tech lead and manager. Interviewing, hiring, training, and firing, on a team of ~8. Handled architecture/design and all documentation, planning and communication with the rest of the software org. Team owned the perception APIs, exposing headpose, controller pose, hand pose, etc to the developers (Unity, Unreal, etc). Created an in house implementation of the OpenXR library. Launched Magic Leap Two.

Apple Inc Sunnyvale, CA, 2.5 years

Software Engineer, Production Support [Java/Cassandra, Bash, Python]

Managed a team handling production support of a large distributed Cassandra + Solr + Hadoop system in support of the Applied Machine Learning group. Managed >4000 servers. Interviewing, hiring, and firing. Managed a local team of ~6 people and a remote team of ~10 people via a contracting company, providing 24 hour support coverage. Coordinated with other groups within Apple to get security approvals, handle network/server configurations, schedule server installs, deployments, system reviews etc, managed software deployment.

Amazon Seattle, WA, 2 years

Software Engineer [Java/Spring/Hibernate, Ruby/Rails, Javascript/JQuery, Oracle/SQL]

Brought the "Continuous Deployment" methodology to the Amazon software org, partly through developing the internal software tools to enable this, but also through evangelizing the ideas and convincing people through engagement, events, metrics, and debates. Full stack role: Javascript + Angular frontend, Ruby on Rails web interface layer, Java backend, Oracle database. Participated in an on-call cycle to provide 24 hour support.

Blue Brain Project, EPFL Lausanne, Switzerland, 2.5 years

Software Engineer [C++, Python, Ruby/Rails]

Developed tools to help map rat brains, by organizing scans of slices of rat brain, allowing users to reconstruct their 3d structure and connections. Wrote parsers for custom cell imaging software. Wrote a Ruby-on-Rails app to manage and visualize topological data for rat neuron reconstructions.

Education

University of Nevada, Reno: MS CompSci (2004-2008), BS CompSci (2001-2004)

Worked as an FTE systems administrator for our compute grid, consolidating Rocks clusters from across campus.

Abridged Technical Expertise

Primary Languages/Tools: C++, Java, Python, Bash, Git, Linux/Android systems

Secondary: Javascript/Typescript + Web generally, databases, cloud services, security

After hours/Historical: Rust, Haskell, Ruby, embedded systems

Links

<https://github.com/JLKenyon/>