

Kamran Kashef

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Over his career, Kamran has progressed from crypto researcher, to software developer, to consultant for prominent companies responsible for leading internal and external teams.

Design and Technical Background:

- Core tech stack: Java 8, Ruby, Python, RDMSs, JavaScript, Linux, Bash, AWS
- Emerging technologies of interest: Go, Docker, Apache Mesos, Google Spanner
- Architecture and design: Dynamic programming, DI/IoC, Micro services, Interface-based programming

Professional Outlook:

- Effective communication, organization and team building are as important as technical know-how.
- Success requires moving out of comfort zones, objectivity and initiative.
- Work is a reflection of oneself and hence something to take pride in.
- Ultimately, success is built on vision, hard work and quality relationships among people.

Contracting (Mar 2012 – August 2017)

The Madison Square Garden Company: New York Knicks and New York Rangers professional sports teams.

Impact: Delivered an enterprise data management platform, cutting overall costs by 75% in just the first year.

- Developed a long-term vision and design for a unique data management platform supporting **200+ sources**.
- **Built team** to designed and develop “Moneyball” data infrastructure for coaches, trainers and analysts.
- **Optimized** the system to perform under the load BI platform, web apps and reporting tools.
- Headcount reduction, termination of under-performing vendors with **80% reduction in cloud resources**.

RAB Lighting: IoT lighting control system.

Impact: Lightcloud’s is in production and sales are ramping up rapidly.

- Audited the code, assessed the tech team and **provided trusted guidance** through the restructuring processed.
- Re-architected Lightcloud’s Django REST API and **delivered real-time usage monitoring for their 4G network, created an Android tablet app**.
- Brought in and managed **a team of outside resources** to increase velocity.

Nonnatech: IoT service for monitoring the activity of seniors in managed care.

Impact: The full MVP was delivered and Nonnatech was selected by the prestigious venture fund, 500 Startups.

- **Worked with the founders to turn their vision into a clear set of feature requirements.**

- Managed team of developers of **Java Servlets, HTML 5, JavaScript, Handlebars, AngularJS and MySQL**.
- Delivered system to process **real-time sensor data** against the platform's backend rules engine.
- Within **web the portal**, caregivers were able to note how alerts were addressed, track status changes and reconfigure alert rules.

DevFactory (Trilogy): Cloud-based test automation solutions for investment banks.

Impact: Oversaw the delivery of test automation for dozens of apps at Deutsche Bank (New York and London)

- Performed the roles of **technical expert, project manager and advocate** on site with investment bank client.
- **Interfaced** with application owners, domain owners, and business information security officers.
- **Architected solutions** in a complex environment with numerous regulations and legacy systems.
- **Managed over 20** globally distributed DevFactory developers and implementation specialists.

Viggle Inc., Senior Engineer (Jul 2011 – Mar 2012), Acting CTO (Aug 2012 – Oct 2012)

Impact: Scaled the architecture to accommodate over 3 million concurrent users.

- Architected numerous critical systems, **built the engineering team** and lead software development.
- Vetted and selected key **ad tech, video distribution, merchandise partners and data vendors**.
- Took the role of **acting CTO during company's restructuring** of the engineering department.
- Oversaw and delivered a **rewards management and fulfillment system, CMS and the iOS app**.
- Helped to grow the team to over **thirty engineers**.

KLS Diversified LP, Software Engineer (Aug 2008 – Feb 2011)

Impact: Built the firm's middle office accounting system providing operational savings of over \$1 million per year.

- Constructed a **data warehouse** for risk data, sec master, trades, marks, positions, P&L and counterparty data.
- Created a **profit & loss engine** for the firm's complex portfolio capable of calculating PnL across any level of aggregation or timeframe.
- Built reconciliation systems that regularly **caught counter-party accounting errors of over \$100,000**
- Scaled the systems as AUM grew from \$200 million to **\$4 billion** and offered the firm's **CTO position**.

Highbridge Capital Management, Software Engineer (Jul 2007 – Aug 2008)

Impact: Contributed to the delivery of several fixed income and equity applications.

- Designed and implemented the **transactional processing** of the firm's order management system and integrated order flow with the firm's compliance system.
- Using the FIX protocol connected Highbridge's proprietary trading platform with brokers.
- Modeled the firm's fixed income portfolios for risk analysis and built asset pricing tools for exotics such as knock-in/out variance swaps.

Education at The University of Michigan - Ann Arbor:

B.S.E. Computer Engineering (Cum Laude) 2002

M.S. Applied Interdisciplinary Mathematics 2004

Awards, Honors and Activities:

- 1st Place award at the 41st Design Automation Conference for “The Economical Aphotic Sieving Engine”
- NSF Undergraduate Research Opportunity recipient
- Passed the CFA level 1 and 2 exams
- Co-founder and presenter at the New York JavaSIG “Hello Java” series