

## Kevin J. Rice

Address:	2500 Behan Rd., Crystal Lake, IL 60014
Phone:	Cell: (847) 845-RICE (847) 845-7423
Email:	<a href="mailto:Kevin@justanyone.com">Kevin@justanyone.com</a>

### SUMMARY

Software engineer with B.S.C.S. and 25 years' experience doing highly technical client/server architecture and development over the full software life cycle, primarily in Python, Perl, and C.

### TECHNICAL SUMMARY

INDUSTRIES: Retail, Financials / Markets, Construction accounting, Capital Markets (Risk), Credit, Consumer Electronics, Military, Education, Petrochemical, Insurance, Telecom, HR, Publishing.

APPLICATIONS: Timeseries/monitoring, Financials (FINRA / OATS, FIX protocol), E-Commerce, micro-services, infrastructure, front-end web development, internet security, embedded real-time systems, consumer electronics, telecom, industrial control systems, turbomachinery, web-based recruiting, version control tools & processes, cryptography.

PLATFORMS: Linux (RHEL, Ubuntu), Windows (all), AWS, AIX, Solaris, HP/UX, Embedded, AS/400

LANGUAGES: Python, Perl, C, C# .NET, Java, VBA, C++, Cobol, SQL, Ada, Assembler, Lisp

DATABASES: MongoDB, Cassandra, MySQL, Postgres, Oracle, Sybase, Informix, DB2, MS SQL Server, Memcache, Redis, MS Access, Paradox, Foxpro, ODBC, Vax/VMS RDB.

NETWORKING: Ethernet, sockets, DHCP, TCP/IP, POP3, PPP, cabling, firewalls, security, load balancers, routers, NAT, Internet protocols, authentication & authorization, SSL / TLS.

DEVELOPMENT TOOLS: Git, SVN, CVS, PVCS, SourceSafe, JQuery, CSS, Eclipse, Visual Studio

OTHER SOFTWARE: Flask, Django, Graphite, OpenNMS, Splunk, Twisted, Nginx, Apache, F5 Load Balancers, Robot Testing Frameworks, WebWare for Python, Pylons, LAMP, Mod\_Perl, BBThreads, Dreamweaver, Frontpage, MS Office, JMX, Awk, Korn / Bourne (bash) Unix shell scripting, Make, sed, emacs, vi, Vax VMS DCL & VMS utilities, Norbert DOD, PGP, Roguewave, Lawson.

### EXPANDED DETAILS

- Standard resume with summary info: <http://justanyone.com/KevinJRiceResume.doc>
- Expanded resume with job details: <http://justanyone.com/KevinJRiceResumeDetailed.doc>
- Employment History: <http://justanyone.com/KevinJRiceEmploymentHistorySummary.doc>

### EDUCATION

B.S., Computer Science, University of Kansas, Lawrence, KS, 1992

## **PROJECT EXPERIENCE for Kevin J. Rice (contact information below):**

### **Principal Software Engineer, Sears Holdings, Inc. (Contract-to-Hire) 4/2012 to 2/18, 6 yrs**

- Python Devops arch/design/coding/maint of large-scale monitoring systems used corporation-wide;
- Scalability: enhanced from gathering 1M to 15M metrics/minute incl. collection, storage, display;
- Created new MongoDB data warehouse accessible via Django / Graphite.
- Constant simplification/enhancements for huge monitoring ecosystem;
- Sat on 25-person corporate infra architecture committee, incl. SHC migration to AWS;
- Environment: Linux, Python, MongoDB, Flask, Kafka, Git, Twisted, Nginx, Graphite, Ceres, OpenNMS, Splunk, Django, F5, Cassandra. Some Windows/Aix/Solaris.
- [ contracted for 4 years, converted to full-time employee 2 years ]

### **Software Engineer, Nokia / Navteq Garmin (Consultant) 8/2011 to 4/2012, 9 months**

- Created Python libraries used by Robot Framework test scripts;
- Created complex QA automation - test suites exercising newly-developed code (Java JMX & others);
- Environment: Linux, Python, Perl, Win32 Python, Robot Testing Framework, JMX, svn.

### **Lead Trade Support Analyst, Citadel Corporation 6/2010 to 8/2011, 1 year**

- Trading desk support operations role (handled 6% of the U.S. equities and options markets);
- Perl and Python development/design of trading desk automation incl. troubleshooting FIX protocol lines and backoffice systems & processes;
- Setup new FIX lines and certified new clients dataflow;
- Rewrote compliance FINRA OATS processing of equities flow;
- Built several internal websites (Python Django & mod\_perl) using Sybase;
- Environment: Linux, Python, Perl, Windows 7, Sybase, FIX, OATS, Django, ksh, bash, svn, capital markets, financials.

### **Senior Software Engineer / Architect, Textura Corporation 2/2005 to 5/2010, 5 years**

- Employee #5 of now-publicly-listed 200+ employee construction industry corp doing B2B ASP / SAAS;
- Python architecture, design, coding of large portions of the main app in a small team, working closely with business analysts;
- Highly Agile weekly releases using TDD (test-driven development) unit and functional tests;
- Extensive use of SQLAlchemy & SQLAlchemy ORMs (like Hibernate) connected to Postgres database, with hand-coding complex SQL queries when needed for optimization;
- Heavy OO design, development, incl. business analysis, coding, data conversion, and deployments;
- Fitnesse (functional) and Nose (unit) testing frameworks (similar to JUnit);
- Linux (Ubuntu and Redhat) system administration, documentation;
- Environment: Linux, Python, Postgres, Apache, SQLAlchemy, ACH payments, E-signing, automated legal docs, sysadmin, svn, RHEL, TDD Agile, Construction.

### **Lead Application Developer, BankOne JP Morgan Chase 4/2002 to 1/2005, 3 years**

- Architected / developed Capital Markets Risk financials data warehouse;
- Reports and dataflows went to primary users of CEO Jamie Dimon & JPMC Board of Directors;
- Technical team lead for 5 developers on project;
- Wrote 40,000 lines of Perl to scan 350+ file types & load data into Sybase (migrated to Oracle);
- Developed 2000+ lines of VBA & 3000+ lines of complex SQL to extract data into Excel reports;
- Wrote 2000+ lines Visual Studio .NET C# code for misc. support functions tying in other project;

- Extensive capital markets options & derivatives data handling of greeks data;
- Co-sponsored Bank's MS .Net User Group; mentored;
- Put Linux/Perl open-source into Bank's mainstream;
- Environment: Solaris, Windows, Apache mod\_perl, Win32 OLE, SiteMinder, Capital Markets financials.

**Senior Software Architect / Developer, Consultant  
(Various Companies in Des Moines, Iowa and Chicago, Illinois) 5/1993 to 4/2002, 9 years**

- Created Single-Sign-On-enabled secure web sessions so UBS clients could buy bonds online;
- Created version control tools for Sears.com's 140+ person dev team, eased a QA nightmare (circa 1999);
- Automated a stock exchange clearinghouse's data entry process, reduced 2.5 headcounts;
- Discovered \$250M savings for Sears Credit Card through improved credit scoring;
- Implemented IBM's Net.Commerce, got Borders.com online faster w/ increased efficiency;
- Helped more college students afford loans w/ Student Loan app to show predicted loan payments;
- Created publisher's magazine subscription website, vastly increased international subscriptions (CGI in C, Java, and even Cobol!);
- Created conversion programs to close down a pharma company after a merger;
- Coding, QA, documentation, and other technical project work at several other locations.
- Real-time embedded C PID controller for turbocompressor gas pipeline (2 yrs., fulltime)
- Sysadmin for defense contractor Logicon for Ft. Leavenworth War College BCTP worldwide, 1 yr.
- Environments: Perl, C, C++, Java, Cobol, Solaris, Windows, Linux, Oracle, Sybase, DB2, MySQL.