Kevin J. Rice

Address:	2500 Behan Rd., Crystal Lake, IL 60014
Phone:	Cell: (847) 845-RICE (847) 845-7423
Email:	justanyone@gmail.com
Linkedin:	https://www.linkedin.com/in/kevinjrice

SUMMARY

B.S. Computer Science (BS CS) software engineer / developer with 35+ years of highly technical agile app dev, devops, data engineering, and architecture work primarily in Python, Perl, & C/C++. Fully invested in Claude/AI dev cycles in planning, skill creation, architecture, and implementation using AI toolsets.

TECHNICAL SUMMARY

PRIMARY LANGUAGES: Python (20+ years), Perl (5 years), C (10 years)

ANCILLARY LANGUAGES: SQL / NoSQL, Java, C++, Cobol, SQL, Ada, Assembler, misc.

AI TOOLSETS: Claude in native, VS Code and,Pycharm. Github Copilot (Opus/Fable, Gemini, etc.) for app dev. Iterative planning, code gen, skills and instructions construction, optimization. Working on LanceDb and RAG toolsets.

PLATFORMS: Linux Win32 AWS GCloud Mac AIX Bash Zsh Powershell Solaris Embedded

DATABASES: MongoDB (7 yrs), Postgres (7 yrs), Snowflake (1 yr), BigQuery (1 yr), Oracle, Sybase, MySQL (6+ yrs), Informix SQLite DB2 Cassandra SQLServer Memcache Redis etc.

NETWORKING: Firewalls LoadBalancers Routers NAT sockets, DHCP, TCP/IP, POP3, PPP, cabling, security, authentication & authorization, SSL / TLS.

DEV TOOLS: Copilot Git Github GitLab BitBucket Jenkins Docker VSCode Sonar Postman

OTHER SOFTWARE: GCP GCloud AWS: S3 EC2 Lambda ECS BigQuery Airflow, Cloud Composer PySpark Django FastAPI Flask Pytest Graphite OpenNMS Splunk Twisted Nginx Apache F5 Load Balancers, Robot, LAMP Mod_Perl MS Office JMX Awk Korn Bash Zsh Unix shells sed emacs vi Vax VMS DCL Norbert PGP Lawson.

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

APPLICATIONS: ETL Timeseries/monitoring, REST, Financials, E-Commerce, micro-services, infrastructure, web dev, InfoSec, embedded real-time, banking, consumer electronics, telecom, industrial control systems, turbomachinery, recruiting, version control tools & processes, crypto.

Standard resume with summary info: http://justanyone.com/KevinJRiceResume.docx
Employment History: http://justanyone.com/KevinJRiceEmploymentHistorySummary.docx

EDUCATION

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

PROJECT EXPERIENCE:

Sr. Software Engineer, Bank of America (Apex Consulting) onsite 2/2026 to Current:

- Python InfoSec on internal email malware detection/triage adding features, security scan remediation. Some by-hand, mostly code-gen Copilot. Migration Django → Fastapi of app, tests, mentored AI to team, created skills/instructions for several projects. Extensive multi-plan code-gen and implementation.
- Environment: Python dev/gen w/ Github Copilot with Opus/Sonnet/etc. Pycharm and VSCode for Django and FastAPI, with behave and pytest-BDD. Bitbucket, many tools.

Sr. Software Engineer, Cognizant, Inc., Remote, 12/2021 to 2/2026:

- Software engineering in Python on various projects:
  - Duke Energy - workflow automation using AWS lambdas in Python (POC/MVP)
  - Capital One - ETL Python AWS lambda work supporting SWIFT/Fedwire payments processing automation (ISO 20022 migration)
  - Chewy Brands – quick-win data engineering maintenance in AWS Snowflake
  - UK National Health Service - migration Py 2.6 to 3.6 across a 400k-line codebase
  - Macy's - Retail gift registry migration mainframe to AWS, quick-win.
- Environments: Github Copilot, AWS, Linux, Snowflake, REST APIs, Ansible, VS Code, Git (Github, Gitlab), Jenkins Docker, Python 2.6, 3.6 to Python 3.12, MS Powershell

Data Architect, Zoro / Grainger, Remote, 3/2021 to 12/2021

- Data Engineering on ETL processes incl. Python architecture & dev of product data for online retail on Gcloud platform.
- Environment: GCloud, Airflow, BigQuery, GCP, Composer, Spark, MongoDB, Git, Docker, VSCode, MacOS, Python 3.6+

Sr. Developer, Zipari, Brooklyn/Remote (Synergy Consulting) 7/2020 to 3/2021

- Python arch / dev / maint. B2B & B2C Django app hosting medical insurance industry clients
- Environment: Python, Django, REST API's, Postgres, Git, Docker, Pycharm, VSCode, Mac

Sr. Developer, PNC Bank, Pitts./Remote (Indotronix, Consulting) 8/2019 to 7/2020 (1 yr)

- Python backend dev Django automation. DevOps server provisioning in-house datacenters.
- Environment: Python, Django, MongoDB, MySQL, Git, Agile, VSCode, Python 3.6

Sr. Software Engineer, Bank of America (Apex Consulting) 8/2018 to 8/2019 (1 yr)

- Python arch/dev/maintenance on capital markets deal aggregation processes
- Environment: Custom Python DB, custom BofA toolsets (Quartz/QzDev) and databases ("Sandra"), Agile, Python 2.7 to Python3.7 conversion.

Senior Software Engineer, Engine Group, Inc. 3/2018 to 8/2018 (6 months)

- Python2.7 and Python3.7 lambda functions; business analysis & specifications, doc-writing; infrastructure & InfoSec / security analysis.
- Environment: AWS, AWS lambda, Route53, S3, EC2, diagnosis, some Bamboo, MySQL, NodeJS, Git, Mac/Brew configuration

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

- Python Devops: team lead/arch/coding/maint monitoring all 12,000 Sears servers;
- Architect and technical team lead for team of 8 developers

- Scalability: enhanced from gathering 1M to 15M metrics/minute incl. Enterprise-wide metrics collection, storage, display;
- Created new MongoDB (v. 2.4 to v.3.4+) data warehouse accessible via Django / Graphite.
- 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.
- [Contract consultant for 3 years, full-time employee 3 years]

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

- Created Python libraries used by Robot Framework test scripts;
- Wrote/Arch QA automation suites for 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 SQLObject & 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, dataflows went to primary users of CEO Jamie Dimon & JPMC Board of Directors, wrote 40,000 lines of Perl that did ETL of 350+ files into Sybase (migrated to Oracle);
- Technical team on several teams (2 to 5 developers at various places);
- Developed 2000+ lines of VBA & 3000+ lines of complex SQL to extract data into Excel;
- Wrote 2000+ lines Visual Studio .NET C# code;
- 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 website so UBS clients could buy bonds online;
- Wrote version-controls at Sears.com for 140+ person team easing QA nightmare (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 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!);
- Data migration for mail-order pharmacy in Cognos PowerHouse 4GL, Cobol, and C/C++.
- 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 (Ft. Leavenworth War College), worldwide, 1 yr.
- Environments: Perl, C, C++, Java, Cobol, Solaris, Windows, Linux, Oracle, Sybase, DB2, MySQL.

OTHER:

- Member, Chicago InfraGard InfoSec group since 2017 (https://Infragard.fbi.gov)
- Have traveled to (& eaten in) 24 countries and 46 US states.
- Github: https://github.com/justanyone
- Stack Overflow: https://stackoverflow.com/users/977162/kevin-j-rice
- Personal Website: https://justanyone.com (since May, 1999)