M. BRET BLACKFORD, CPA, CMA, CISA, PMP

IT GOVERNANCE | PMO | RISK & CONTROLS | FINANCIAL ANALYSIS

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PROFILE

Technology governance, risk, PMO, and finance leader with 30+ years of experience across IT compliance, project and program management, change control, internal audit, commodity trading risk, quantitative valuation, and software development. CPA, CMA, CISA, and PMP with hands-on C++/Java experience and graduate programming education; additional experience includes expert-witness engagements.

CORE EXPERTISE

Project & Program Management | IT Governance & Compliance | Change Management | IT Audit & Risk Assessment | SOX / HIPAA / PCI | ISO 27001 / ITIL | Financial Modeling & Derivatives | C++ / Java

PROFESSIONAL EXPERIENCE

ARCH RESOURCES / CORE NATURAL RESOURCES | St. Louis, MO **2005-2025**

Director, IT Compliance, PMO & Change Management *2019-2025*

- Built and led the IT project management office; oversaw project governance, change-management controls, and IT compliance.
- Coordinated priorities, risk, documentation, and control execution across enterprise IT initiatives.

Senior Manager / Manager, Analysis, Trading & Risk Controls *2009-2019*

- Quantified aggregate trading exposure; performed financial-instrument valuation and scenario analysis for Trading and Accounting; led deal-capture system upgrades.
- Managed derivatives systems and controls and reported trading status and associated risks to senior management and the monthly Risk Committee.

Manager, IT Audit *2005-2009*

- Owned the annual IT risk assessment and audit plan; evaluated internal controls, compliance, and safeguards; presented findings and recommendations to management and the Audit Committee.

AT&T / SBC COMMUNICATIONS | St. Louis, MO **2000-2005**

Senior Software Developer

- Developed UNIX C++ and Java/J2EE server-side services supporting DSL qualification, provisioning, and billing, including WebSphere-based integrations.

BJC HEALTHCARE | St. Louis, MO **1998-2000**

Senior IT Auditor

- Supervised IT audit staff and evaluated enterprise IT risk and controls.

FEDERAL RESERVE BANK OF ST. LOUIS | St. Louis, MO **1997-1998**

Senior Auditor

BJC HEALTHCARE | St. Louis, MO **1994-1997**

Senior Auditor

CREDENTIALS & EDUCATION

Certifications: CPA | CMA | CISA | PMP

Webster University - B.S., Computer Science, honors, 2001

Harvard University Extension School - Graduate Certificate in Programming, 2018

Truman State University - B.S., Business Administration (Finance), 1987

SELECTED TECHNICAL WORK

Black-Scholes / Black 76 option valuation: Java and JavaScript implementations; Java project is linked from Wikipedia's Black-Scholes model article under “Computer implementations.” bret-blackford.github.io/black-scholes