

Bernard P. Woolfolk

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EXECUTIVE SUMMARY

Senior software architect and educator with more than 35 years of experience designing enterprise-scale systems across federal and commercial sectors. Expertise includes Java, Spring, AWS cloud computing, ETL, semantic web technologies, distributed systems, and Agile software development. Adjunct Assistant Professor at Howard University since 1992 teaching undergraduate and graduate courses in software engineering, object-oriented programming, and cloud computing.

ACADEMIC EXPERIENCE

Howard University – Adjunct Assistant Professor

Department of Electrical Engineering and Computer Science | 1992 – Present

- Teach undergraduate and graduate courses in object-oriented programming, software engineering, and cloud computing.
- Instruct students in Java, software architecture, AWS, Agile methodologies, and professional software development practices.

Courses Taught: Object-Oriented Programming, Large Scale Programming

TECHNICAL SKILLS

Java • Python • C/C++ • Spring • AWS • REST • ETL • Pentaho • Semantic Web • SPARQL • Jena • Oracle • Distributed Systems • Agile Development • UNIX/Linux

PROFESSIONAL EXPERIENCE

Whiteboard Federal Technologies Corporation – Senior Software Architect

2013 – Present

- Lead developer and architect on a classified federal government project utilizing Java, Spring, AWS, and Pentaho.
- Designed and implemented ETL service architecture supporting large-scale data processing workflows.
- Contributed to cloud-based application architecture and enterprise system integration.

MarkLogic Corporation – Principal Consultant

2012 – 2013

- Provided architectural consulting and performance optimization support to federal and commercial customers.
- Worked with Java, REST services, XQuery, and UNIX-based technologies.

NCI Information Systems / TRS Consulting – Senior Technical Director

2007 – 2012

- Supported federal government projects as an ETL specialist and software developer.
- Designed and developed a Java SPARQL query API for a proprietary semantic web triple store utilizing Jena and Netezza.

General Dynamics – Principal Member of Technical Staff

2005 – 2007

- Technical lead and senior developer on a mission-critical Java EE federal application.
- Contributed to software architecture, lifecycle processes, and enterprise development standards.

RABA Technologies – Principal Consultant

2004 – 2005

- Developed enterprise persistence-layer components utilizing EJB 2.0 and Oracle technologies.

Lucent Technologies – Distinguished Member of Technical Staff

1998 – 2004

- Technical lead for carrier-class telecommunications management systems utilizing Java, CORBA, and SNMP.
- Contributed to enterprise-scale telecommunications software architecture and operational management systems.

Bell Atlantic – Software Engineer

1997 – 1998

- Served as senior systems architect supporting enterprise billing and software development initiatives.

AT&T Bell Laboratories – Member of Technical Staff

1986 – 1997

- Developed C/C++ software systems supporting federal and commercial customers.
- Served as chief methodologist for classified network management projects.
- Participated in the AT&T Visiting Professor Program at Howard University.

EDUCATION

- M.S., Computer Science – Columbia University
- B.S., Computer Science – The City College of New York