



ManagingProgrammers.com

"Wouldn't You Rather Work With Someone Who Gets It?"

Bruce Taylor

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General

I've been in the software development business for a very long time and have experience in almost any variety of system development. I've been a successful technical leader, manager, and consultant in every job I've held.

- Very strong talents in enterprise level system architecture and design
- Very strong skills in OO design, and the ability to teach them to others,
- Top-notch coding, testing, debugging, optimizing skills
- Strong commitment to agile development and test-driven programming,
- Very strong ability to train, coach, and mentor other engineers,
- Obsession with software quality and reducing technical debt.
- Excellent technical and non-technical writer
- Excellent speaker, especially with customers and senior management

Technologies

- Java, J2EE
- C/C++
- SQL, Stored Procedures and Database Design (Oracle, SQL Server)
- JSPs and Application Servers (Apache, Websphere)
- XML/SOAP/Web Services (Xerxes)
- Palm OS Development
- WAP/WML (Wireless Phone applications)
- Optimizit (Java performance optimization)
- Eclipse (Java development)

Architecture and Design

- Extensible Business Object architecture (Kronos, Information Resources)
- JDBC, SQL, Stored procedures, Database connection optimization (Kronos)
- Extensible Rules Processing Engine (Kronos, Information Resources)
- Database, Business Object and GUI extensibility (Kronos, Buzzeo)
- Performance measurement and reporting (Kronos, Information Resources)
- System and database performance optimization (Kronos, Information Resources)
- System event logging and analysis (Kronos, Information Resources, Buzzeo)
- Complex report generation, data warehousing, data mining (Information Resources)
- XML Web Services Interface (Kronos)
- WAP/WML Cell Phone API (Kronos)

Implementation

- Business object architecture, including caching and persistence (Kronos)
- JDBC connection management, including prepared statement optimization
- Multi-threaded data mining and analysis package (Kronos, Information Resources)
- System performance and event logging and analysis (Kronos, Information Resources)
- Fault tolerant multi-threaded daemon management (Kronos)

Software Development

- Introduced iterative and agile development (Kronos, Information Resources, Buzzeo)
- Introduced JUNIT technology and test driven development (Kronos)
- Introduced efficient design and code reviews (Kronos, Information Resources)
- Taught courses on Java design patterns, Java coding best practices (Kronos)
- Streamlined development documentation process (Kronos, Information Resources)
- Introduced QA best practices (Information Resources, Intermetrics)
- Certified Scrum Master (June 2007)

Technical Leadership

- Workforce Central V4.0 and V5.0 architect (Kronos)
- Overall system architect (Information Resources)
- Tools Integration architect (Digital Equipment)
- Workforce Scheduler product architect (Kronos)
- Mentored architects and senior designers (all)
- Managed Software Engineering department (Intermetrics)

Training Highlights

- Intro to Computer Science (Duke)
- System Programming (BU Adjunct Faculty)
- Compilers and Assemblers (BU Adjunct Faculty)
- Design and Code Review Techniques (Kronos)
- Java Design Patterns (Kronos)
- Managing Engineers' Career Paths (King & Bishop)

Employment History

- 2005- ManagingProgrammers.com, Owner
- 2000-2005 Kronos Inc., Software Architect
- 1998-2000 Information Resources, Software Architect
- 1996-1998 Buzzeo Inc., Software Architect
- 1991-1996 Digital Equipment, Principal Engineer
- 1981-1991 Intermetrics, Senior Engineer

Education

- 2003 UMass Lowell, Certificate in Job Stress and Healthy Job Design
- 2003 UMass Lowell, MA Community & Social Psychology
- 1976 Duke University, MS Computer Science
- 1973 Duke University, BA English Literature

Papers (available at <http://www.coachingprogrammers.com>)

- "Sustainable Software Development", Cutter Consortium Update Series, 2006.
- "Organizational Culture is Important in Software Productivity", Boston SPIN, 2006.
- "Why Program Adaptability is so Important", Cutter Consortium Update Series, 2005.
- "Agile Skills for Agile Managers", Cutter Consortium Update Series, 2005.
- "Knowledge Management for Software Projects", Cutter Consortium Update 2005.
- "Do Programmers Have Career Paths?", King & Bishop, 2005.
- "Five Predictable Crises of Software Startups", WorkingInUnison, 2005.
- "Demystifying Corporate Culture", *Insights Magazine*, NEHRA 2007.

Books

Working Among Engineers: A Field Guide to the Software World, BookSurge, 2006.