

ANDREW McDOWELL

SOFTWARE DEVELOPER



CONTACT

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 **LOCATION**
AUSTIN, TEXAS

EDUCATION

BACHELOR OF SCIENCE IN MATHEMATICS
TEXAS A&M UNIVERSITY

- Awarded Cum Laude 05/2000
- Coursework in Mathematics, Physics, and Computer Science
- Dean's List at Texas A&M University
- James G. Potter Physics Scholarship for Academic Excellence
- Who's Who in Computer Science
- AP Scholar with Distinction

SUMMARY

Experienced software developer and architect with a demonstrated history delivering enterprise software. Expert problem solving and critical thinking skills. Strong science and mathematics education. Proficient with most major software development methodologies.

EXPERIENCE

SOFTWARE CONSULTANT

04/2011 – 08/2021

- Delivered a robust multi-layered caching solution that decreased database load by more than 50% and improved service response times by 15%
- Devised an automated data-integration pipeline with third-party marketing and email services that enhanced customer retention and reduced daily workload
- Coordinated analysis, design, implementation, testing, and deployment of end-to-end services and software across multiple remote teams
- Formulated easy-to-understand software solutions from client's specific requirements resulting in more partners and increased bid acceptance
- Adapted to quickly changing requirements and technologies which reduced ramp-up time and ensured fast and reliable software delivery
- Proficiently troubleshoot simple to complex technological issues and devised rapid and cost-effective solutions to resolve client problems and bottlenecks

APPLICATION ARCHITECT • SENIOR JAVA DEVELOPER, NETSPEND

01/2007 – 09/2010

- Spearheaded the architecture, technology, and design decisions of the entire application suite leading to the IPO of the organization
- Lobbied for and initiated the creation of infrastructure teams which improved the reliability, performance, and scalability of the business, enabling adoption of cutting-edge technologies
- Produced analysis, design, implementation, testing and deployment of end-to-end services and software with an agile team using Scrum
- Orchestrated multiple large-scale data migrations of billions of database rows across multiple tables and databases, ensuring regulatory compliance and improved database performance
- Determined areas of improvement to consistently boost efficiency and productivity in development practices and software
- Recognized multiple times for outstanding performance

SENIOR JAVA DEVELOPER, CONVIO

06/2004 – 04/2005

- Engineered business components and services using Java, Tomcat, and Oracle working with an agile team
- Pioneered the use of web services to integrate with third party applications and databases, which secured more partners and improved reliability of partner communications
- Headed the patch team, which fixed critical defects and responded to crisis situations

PROJECT LEAD • TECHNOLOGY SPECIALIST IV, MARSH

07/2001 – 04/2003

- Directed and mentored the rating team to develop end-to-end software services, overseeing timely and high-quality software releases using Java, WebLogic, and Oracle
- Analyzed, designed, implemented, tested, and deployed business services providing core functionality, which propelled the business unit into new markets
- Communicated and facilitated integration with insurance carriers, which allowed for new partnerships and clients

JAVA DEVELOPER, TRILOGY SOFTWARE • INSURANCEORDER.COM

07/2000 – 07/2001

- Developed and optimized the core rating technology in Java, resulting in performance gains of 10,000%
- Supervised the rating modeling team ensuring correct and on-time delivery
- Recognized multiple times for outstanding performance

SKILLS

Java C# SQL PL/SQL Python JavaScript C/C++
Software Development Lifecycle Data Structures Design Patterns Object-Oriented Design
Service-Oriented Architecture Scrum and Agile Test-Driven Development Troubleshooting
Oracle MySQL PostgreSQL Spring Hibernate Tomcat JBoss ActiveMQ XML UML REST
Web Services

Problem Solving Creative Thinking Effective Communication Time Management Team Leader