

Matthew J. Fisher

Software Engineer & Systems Designer

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Education

2005–2009 **Bachelor of Science**, *Bradley University*, Peoria, IL.
Computer Information Systems

Vocational Experience

2008–present **Senior Software Engineer**, *Discover Financial Services*, Riverwoods, IL.
Enterprise Rewards team. Developer and subject matter expert for distributed transaction processing system serving more than 50 million customers and around a dozen vendors. Developer & designer for business-facing front-end. Manage branches, releases, and code merges.

Relevant contributions:

- Technical lead for flagship projects
- Managed code merges across many branches
- Designed technical processes and built tools for parallel project work across many branches
- Redesigned developer working environments to replace previous company standard
- Responsible for input, event-processing, and rewards qualification systems
- Responsible for business-facing web front-end where promotions are configured
- Implemented and populated Wiki documentation system where no application docs existed
- Redesigned system elements to eliminate code changes to support routine business needs
- Redesigned batch support procedure to avoid unnecessary sleep interruptions (int'l support)
- Active in resolution of critical issues with promotional rewards front-end and back-end systems

Relevant experience:

- Writing safe, maintainable, changeable, and re-usable code
- In-depth data processing to research and resolve issues or answer questions
- Relational database DDL development (Oracle, DB2)
- Version control integration and release management
- Technical, business, and end-user documentation
- Distributed Extract, Transform & Load (Ab Initio)
- User Experience design (ColdFusion, HTML, CSS, Javascript, JQuery)

Technical Skills

Languages Python; SQL; UNIX shells; HTML/CSS; Javascript; ColdFusion; Ab Initio; Ruby, C/C++
Platforms & Systems Unix; Linux; IBM GPFS; Oracle/DB2/MySQL
Concepts System design; distributed systems; data analysis; version control; code quality; agile; database design and administration; virtual machines; web applications
Frameworks, Tools & Libraries git and Gitlab; UNIX tools; Flask; Wikimedia; LaTeX; bug trackers

Interests

Open Source Use OSS alternatives, attend hackathons, and contribute to OSS projects
Hardware & tinkering Assemble my own machines, run a VPN and Linux dev environment from my home
Free time Play musical instruments, cook wood smoke BBQ, walk my dog