

Jonathan Hefner <jonathan@hefner.pro> — <https://github.com/jonathanhefner>

Member, MCP (Model Context Protocol) Steering Committee (2025 – Present)

- Sponsor proposals for MCP spec changes
- Merge pull requests for documentation improvements
- Moderate community discussion

Member, Ruby on Rails Committers Team (2022 – Present)

- Merge pull requests for minor features, bug fixes, and documentation improvements
- Moderate community discussion
- 1600+ commits (excluding backports), ranking among top 10 Rails contributors of all time
- Contributed multiple headline features to Rails 7.1

Senior Software Engineer, Independent Consultant (2011 – Present)

Technologies: Ruby on Rails, CSS, HTML, JavaScript, SQL, TypeScript

Senior Software Engineer (Contract), Bloomberg (2012)

Technologies: Ruby on Rails, CSS, ElasticSearch, HAML, HTML, JavaScript, RSpec, Sass, SQL

- Bloomberg Institute homepage
- Performance optimizations increasing performance by 75%-300% across various pages
- ElasticSearch wrapper API for indexing, searching, sorting, faceting, and suggesting
- User activity auditing system for logging, tracking emails, monitoring engagement, etc
- Dashboard for segmenting and visualizing user profiles
- Admin interface for managing user events and locations

Senior Software Engineer, Etsy (2010)

Technologies: data mining, AWS EC2, AWS EMR, CSS, Hadoop, HTML, JavaScript, JRuby, PHP, Scala

- User funnel reconstruction via web log analysis
- EC2 cost auditing dashboard with data visualization and Google Docs integration
- Image mosaic web app with Facebook integration
- AB-testing web app to compare and evaluate product recommendation algorithms

Staff Software Development Engineer, Pervasive Software (2007 – 2010)

Technologies: parallel programming, data mining, Java, JavaScript, SQL

- DataRush: dataflow-based high-performance parallel programming framework
- DataMatcher: fuzzy matching system (e.g. Levenshtein, Jaro-Winkler) with scalable performance (15 million rows/sec on 8-cores); featured in Java Developer's Journal Vol. 13, issue 3
- Multi-way join utility with scalable performance (<1 min for 600 million record 5-way join on 8-cores, replacing job that ran for hours)
- K-Nearest Neighbors classifier with scalable performance
- Recommender system using collaborative filtering co-clustering with 8.5% better RMSE than Netflix's Cinematch
- JavaScript-based DSL to create massively-parallel high-performance applications without compilation

Software Developer, e-MDs (2006 – 2007)

Technologies: .NET, C#, CSS, HTML, JavaScript, SQL, WCF

- User-facing wizard-like text macro engine with custom template DSL
- Database sync system to deliver schema changes and content updates to desktop applications
- Application update system with dependency checking and license verification
- RazorChart: next-gen electronic medical records web app

Undergraduate, Louisiana State University (2001 – 2005)

- BS in Computer Science (3.9 GPA)
- BS in Mathematics (3.8 GPA)