

Matthew Rich

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Profile

I am a web developer, system orchestrator, and IT integrator with years of experience across multiple industries. I am passionate about the web, documentation driven development, unit testing, and devops tooling. I am a voracious reader of technical documentation, sometime open source contributor, windsurfer, and devoted UNIX history buff.

Experience

LEAD WEB APPLICATION DEVELOPER, NORTHWESTERN UNIVERSITY, EVANSTON IL

2007 - PRESENT

Build and maintain web applications using Python and C# web frameworks, including course management, degree planning, advising, and application lifecycle management systems, supporting the operations of the School of Education and Social Policy and the Center for Talent Development. Automate provisioning of compute resources through modern DevOps tooling, including Ansible, Docker, and Fabric, using both cloud-based and on-premise computing environments. Work closely with faculty, staff, and students to determine requirements and appropriate solutions for general IT needs as well as custom application development. Act as university-wide resource for web authentication and automation best practices.

SENIOR SOFTWARE DEVELOPER, ATTAIN CAPITAL MANAGEMENT, CHICAGO IL

2004 - 2007

Designed, built, deployed, and maintained web-based position tracking software for futures trading desk. Transitioned customer facing website to modern MVC web application framework. Built proprietary .NET trading system analytics software. Maintained SQL Server database and associated DTS packages of trading system signals and futures data. Administered Windows web and database servers.

WEB APPLICATION DEVELOPER, CHICAGO INTERNET, CHICAGO IL

2001 - 2004

Created object-oriented LAMP web applications. Designed, built, and maintained in-house time tracking and project management software still in use 10 years later. Administered Linux web and database server.

SOFTWARE ENGINEER, L90 INC, CHICAGO IL

2001 - 2004

Enhanced web-based dashboard for internet advertising campaign management. Created and deployed multi-developer, multi-tier development/testing environment.

PROGRAMMER, INTELLI.COM, CHICAGO IL

1999 - 2000

Built and maintained LAMP web applications.

Presentations

“Forget the Cloud: Early Wins from an On-Campus Private PaaS”, CIC TechForum, October 2015

“Docker Use Cases”, Northwestern DevIT, August 2015

“SESP Program Planner: An Online Tool for Course Planning and Enrollment Forecasting”, Northwestern University Best Practices Forum, May 2015

“Box Integration Patterns”, Northwestern DevIT, February 2015

Experience

Illinois Institute of Technology, Chicago, IL — MS in Finance, 2004

Georgetown University, Washington DC — BS in Foreign Service, 1997

Skills

Fluent in Python, C#, Javascript, PHP, Perl. Full stack web developer. Django, Flask, ASP.NET MVC. SQL Server T-SQL, Postgres, MySQL, SQLite. Git, Mercurial, Subversion. Ansible, Docker (including Compose, Machine, etc.), Fabric.

Open Source

django-masquerade, ansible-django