William**Desmarais**
Entreprenurial ruby developer and team leader

about
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programming
Ruby, JavaScript, C++
Rails, CSS3, HTML5

education
BS, Computer Science
Hartwick College, 1998
Oneonta, NY
Minor in Mathmatics

interests
Board Games
Home Charcuterie
Cooking
Homebrew

exp**erience**

PayPal   Boston, Massachusetts
Software Engineering Manager – 3 Teams, 17 People   March, 2012 – Present
Responsible for three application development scrum teams
Campaign Manager – Advertising managermnt in RoR with Redis, MySQL, and RabbitMQ
- Delivered a 1.0, replacing an unmaintainable legacy system
- App focus on enabling a small ops team to manage millions in high-value ads
- Delivered REST API and pub/sub integration interfaces
- Fought for promotions, critical talent recognition, and hires - hired 4, recognized 4, promoted 2

Whiteglove – Streamlined Adverising product creation tool in RoR
- Delivered a 1.0 of a Ruby on Rails app with Angular front-end
- Developed an all-RCG team into Ruby on Rails professionals producing their first app
- Managed development/relationships with Northeastern Coop program participants for team growth.

Shared Services – Geolocation and assorted related place-centered services in Java
- Led the team for 6 months as they reorganized, with a focus on streamlining
- Identified new team leads as one too-large team was broken into more rational chunks
- Improved team through Personnel Improvement Plans and hiring

Boston Lead, Bar Raisers – Interview training and support for hiring managers
Agile Facilitator – Focused on retrospectives, supported teams' continuous improvement efforts

Proventys, Inc.   Newton, Massachusetts
Software Engineer   March, 2011 – January, 2012
Proventys CDS – Clinical decision support software in RoR with Redis and Postgres
- Rails 3.1 app to provide clinical decision support for treatment of cancer
- Innovative system for authoring of clinical content with a ruby dal and git
- Extreme/Pair programming in an agile/kanban environment
- Design and implementation of features, with contributions to architecture
- Heavy TDD/BDD with spec, factory girl, and cucumber

Tribune Company   Chicago, Illinois
Mobile Software Engineer   January, 2010 – March, 2011
PingPing.com – Social messaging and news sharing with RoR and Erlang
- Contributed design and implementation of geo location support
- Implemented graphic design changes
- Overhauled data ingestion systems

Application Middleware – Java Play server supporting tribune mobile apps
- Software suports iPhone apps for Tribune properties like the LA Times, Chicago Tribune, Baltimore Sun, etc.
- Implemented certificate management system for transition to a one-server architecture
- Upgraded push for iOS devices to support latest Apple options

iOS Feature Development – contributed features to various iOS product lines
- Contributed image gallery feature, hiding sections with no associated galleries
- Implemented client-side obfuscation of api keys

Innovations Team – Winner, one of five teams to compete for Tribune innovations prize
- Worked with Chief Innovation Officer at Tribune to devise new approach to serving a news vertical
- Worked with team to create video presentation and tech demos for the new product

Pilsen Labs, Inc. Chicago, Illinois

Founder October 2010 – June, 2014

Anno – A history and memory game for iOS
- Build card authoring system in RoR to provide game content
- Authored most of the game content
- Contributed features to iOS app
- Ran marketing efforts

WitSaid Studios, Inc. Chicago, Illinois and Andover, Massachusetts

Founder January 2008 – March, 2012

Company founded to house personal projects and provide consulting to young technology companies

Novarra, Inc. Itasca, Illinois

Software Engineer June, 2005 – December, 2008

nWeb – Client for displaying content-rich web pages on cell phones. C++ for ARM-based devices with the Qualcomm BREW runtime
- Design and development of client code for BREW cell phone platform. Implemented encryption technologies, core HTTP, caching, streaming video support, image transcoding, and various UI features
- Code audition and rework which reduced on-handset footprint by 15%
- Core redesigns of product to support additional functionality
- Occasional business travel included trips to London and Milan to manage build-out of two data centers to bring a key customer on-line
- Park of evaluation team for new software tools, including source control and bug tracking
- Responsible for interfacing with in-house and third-party test organization. Triaged bugs for severity and guided submissions through NSTL

Novarra, Inc. Itasca, Illinois

Quality Assurance Lead June, 2000 – June, 2005

nWeb – Client/Server solution for displaying content-rich web pages on cell phones.
- Responsible for creating the test strategy for BREW clients, including plan and script development
- Designed and developed test tools, including relations DB (MS SQL) and JSP-based web front-end for test result reporting and assignment of test tasks
- Occasional business travel included trip to England to manage build-out of two data centers to bring a key customer on-line
- Interviewed, oversaw, and mentored interns responsible for manual test execution

Motorola, Inc. Arlington Heights, Illinois

Chief Test Engineer, S15 Release, Domestic Network Products June, 1999 – June, 2000

ANSI-41 Compliance – Motorola VLR, EMX-VLR cellular switch, and IS-41 Converter
- Responsible for creating a "network test" plan for S15 release of EMX-V, HLR, and MSC, a first-ever Motorola initiative testing the ANSI-41 cellular network as a system, to ensure end-to-end functionality
- Efforts required getting strategic input and buy-in from many disparate groups at Motorola, and condensing different department system test procedures into "network test" procedures

Motorola, Inc. Arlington Heights, Illinois

Test Engineer in System Test May, 1998 – June, 1999

VLR, EMX-VLR switch, and IS-41 Converter - ANSI-41 switching components
- Responsible for creating feature test plans for system-level testing Motorola VLR
- Lead tester for the Y2k upgrades for the IS-41 Converter
- Participated in First Office Applications for both the VLR and the Y2K IS-41 Converter