

Peter Williams

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<http://barelyenough.org>

Software generalist with expertise in REST API design, web applications, operations support/management and high quality software development. Able to learn and apply new technologies and techniques rapidly and to coach others in their use. Evangelist for continuous process improvements in both the software development process and related business processes.

Accomplishments

- Achieved an order of magnitude improvement in scalability of a SaaS offering using service oriented principles.
- Repeatedly improved product quality through application of best practices.
- Re-engineered business processes achieving notable reductions in complexity and human effort.
- Designed systems that support changing business needs without requiring large re-investments in existing components.
- Active open source collaborator: GitHub profile <<http://github.com/pezra>>

Work History

Software Developer (contract)

Brightkite, August 2008 - present

- Administered production deployment of a high volume public facing web application.
- Designed and implemented APIs to support mobile applications.
- Developed DSLs to improve developer productivity and the expressiveness of the code.
- Integrated external functionality using web services.

Software Developer (contract)

ID Watchdog, March 2009 - June 2009

- Worked closely with finance and ops teams to elicit and clarify requirements.
- Maintained and enhanced the existing CRM and batch processing application.

Senior Software Engineer

Absolute Performance, November 2006 - May 2008

- Lead service oriented re-architecture effort which resulted in a highly maintainable and scalable system.
- Designed and documented REST/HTTP APIs, including JSON data formats and API versioning strategy.
- Drove improvements in quality processes.
- Instrumental in implementation and deployment of a multi-tenant software as a service (SaaS).

(I have continued to help, on a limited basis, the team at Absolute Performance with API design issues since my departure.)

Senior Web Developer

WebRoot Software, May 2006 - November 2006

- Improved quality processes, including introduction of automated testing.
- Managed external contractors, including code/design reviews.
- Implemented internationalization extensions to template library that allowed website to be much more easily localized.

Technical Lead

Certified Financial Planners Board of Standards, November 2005 - May 2006

- Instituted improvements in quality practices.
- Mentored team in the use of Ruby.
- Worked with stakeholders to streamline business processes.

Senior Software Engineer

DigitalGlobe, September 2004 - October 2005

- Participated in design and implementation of highly configurable work flow engine.
- Created dashboard to track and manage order fulfillment.

Software Architect

GE Energy, October 1998 - August 2004

- Designed and implemented web application server.
- Evangelized the use of web services as a way to implement application integrations.
- Designed and implemented REST/HTTP APIs for exposing geospatial applications.

Buzzwords

REST, HTTP, web services, WebArch, JSON, XML, SOA, WOA, SOAP, HTML, XHTML, CSS, Javascript, Ruby on Rails, Java, shell scripting, agile, Scrum, XP, RUP, PostgreSQL, MySQL, SQLite, MS SQL Server, Oracle, LOP, DSL