

David Gibb

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OBJECTIVE A position in the field of data processing and mathematical modeling, with an emphasis on stochastic models.

EXPERIENCE

Solutions Architect March 2011 -
AurionPro Solutions, San Francisco, USA

- Served as Technical Lead for a high traffic commercial intranet migration. Recommended, designed, and implemented a replacement for a legacy system which improved authoring experience and performance, and saved over \$300k/year in licensing fees.
- Led the migration of a major public facing technology site to Drupal 7, easing content management and adding new emphasis on the client's core strengths. The resulting SEO and content entry improvements led to pageviews increasing by %78, visits up %66.
- Improved reliability and deployment timeframe of a complex process management application through the introduction of systematic acceptance testing. Dramatically increased performance by adapting and tuning the persistence layer.
- Led the rich user experience redesign of a medical service portal. Was responsible for implementing high level composites as well as designing dynamic front-end behaviour for a modern user experience.

Web Development Engineer May 2010 - August 2010
TP1 Internet 360, Montreal, Canada

- Developed complex rules-based translation system for a multilingual content-heavy site.
- Implemented a customized e-commerce solution with a Drupal CMS front end and a customized Magento backend.

Web Development Engineer May 2009 - April 2010
EvolvingWeb, Montreal, Canada

- Developed rich user experiences using Drupal in combination with third party interfaces such as video and mapping services.
- Implemented lucene/solr search, integrated with AJAX callback and geolocation interface.
- Developed automated testing procedures using the Selenium web testing framework and the Hudson continuous integration server.

Senior Consultant May 2006 - August 2008
Vignette Corporation, Paris, France

- Implemented customized collaborative and portal solutions for major governmental and private organizations using Vignette Portal and Vignette Collaboration. Integrated these products with a variety of legacy systems.
- Developed long-term relationships with clients and partners by providing a high level of support and transparency.
- Designed, implemented, and supported custom solutions for a wide variety of requirements and user bases.
- Assisted in the sales process by developing extensive custom proof of concept demonstrations for the Vignette sales team under tight time constraints.

COMPUTER SKILLS

Languages & Software:

- Experienced in a wide variety of data processing tasks using matlab, maple, python tools, R, etc. Includes experience creating custom monte-carlo type models.
- Proficient in modern front-end engineering techniques, including structured Javascript techniques (IIFE, modules, etc). Many years of experience using jQuery, familiar with tools such as BackboneJS and Jasmine.
- Advocate for design implementation tools such as SASS and Compass, and techniques such as Responsive design.
- Proven experience performance tuning using a combination of techniques such as compression, reverse-proxying, object and fragment caching, and HTTP header manipulation.
- Familiar in a wide variety of programming languages such as Java, Python, Scheme, PHP, and paradigms including Object Oriented, Functional, and Data Directed.
- Extensive background in web content management, including licensed enterprise solutions like Vignette and open source solutions like Drupal.
- Excellent knowledge of MVC frameworks such as Spring, with a special interest in modern lightweight alternatives such as Django and Rails.
- Experienced in REST service oriented architecture. More sophisticated implementations of REST involving concurrency and complicated business logic are a specialty.
- Proficient in relational database theory, as well as working knowledge of all major RDBMS vendors. Familiar with NoSQL implementations such as MongoDB, as well as map-reduce theory.
- Skilled system administrator on Linux, Unix and Windows platforms
- Extensive use of VMWare and Virtualbox virtualization technologies for prototyping, and development. Experienced using Vagrant and Chef for rapid provisioning and testing.

Project Management:

- Agile project management evangelist, with expertise in implementing Scrum and XP.
- Proven track record implementing tools designed to improve code quality and reduce time to deliverables, such as source control management, unit and functional testing, and continuous integration servers.

EDUCATION

Bachelor of Science, Major in Mathematics
McGill University, Montreal, QC,
Minor: Physics

Secondary/International Baccalaureate Diploma,
Jakarta International School, Jakarta, Indonesia,
Achieved highest score in International Baccalaureate Mathematics, Physics, and Computer Science examinations

OTHER SKILLS & CERTIFICATIONS

Fluent in spoken French. Excellent written French.
Enthusiastic tennis player and cyclist.
Amateur machinist and welder.