David Gibb

350 Pierce Street, San Francisco, CA
cell: (415) 967-1235 email: degibb@gmail.com

OBJECTIVE   An architect position in the field of information technology, with special interests in business systems architecture, applications in the health sector, and information processing.

EXPERIENCE

Chief Technology Officer   April 2013 -
Interpreter Intelligence, San Francisco, USA

- Responsible for leading requirement gathering and discovery sessions with customers, developing and prioritizing the road map, and tracking progress in weekly agile sprints against product milestones.
- Planned and implemented the architecture across all tiers: a highly available and redundant back end tier on AWS, a flexible RESTful application tier, and a dynamic Rich Internet Application front end tier. Designed and developed an HTML5 multi-platform application which integrated with our RESTful API.
- Developed processes and procedures for each step in the software life cycle, including:
  - Standard templates and mockup tools for use during requirement gatherings
  - Coding standards, unit and functional tests, and code quality tools during development
  - Security and compliance checklists to review at regular points during the development cycle
  - Deployment scripts and procedures designed to quickly and safely deploy to multiple environments
- Responsible for maintaining security and data privacy, including HIPAA compliance. This entailed creating a flexible and robust authentication and authorization system, deploying industry-standard security tools, and developing policies for the safe handling of high-risk protected data.

Solutions Architect   January 2011 - March 2013
AurionPro Solutions, San Francisco, USA

- 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 page views increasing by %78, visits up %66.
- Improved reliability and deployment time frame 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 portal redesign. Was responsible for implementing high level composites as well as designing dynamic front-end behavior 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 back end.

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.

Technical Consultant   May 2006 - August 2008
Cisma Consulting, 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.

SKILLS

Software Architecture:

- Experienced in creating highly reliable and redundant systems using fail over with automated server deployment and provisioning. Thorough knowledge of virtualization techniques to decrease costs and increase flexibility.

- Experienced in all aspects of the Amazon Web Services (AWS) platform, including security, analytics, load and computation management, and persistence.

- Expert in best practices in rapid and safe deployment. Experienced creating systems for monitoring code quality and other metrics using continuous integration servers, and in creating tools and procedures for agile deployments.

- Excellent knowledge in the use and design of APIs for inter-application communication using REST and other protocols.

- Developed large scale front end Rich Internet Applications (RIA) in javascript. Used tools like Backbone.js and Require.js to manage highly dynamic front end logic.

- Experienced in creating and implementing analytics tools, including page request, server and persistence load, and thread analysis.

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.

Languages & Software:

- Familiar in a wide variety of programming languages such as Java, Python, Javascript, PHP, and paradigms including Object Oriented, Functional, and Data Directed.

- Excellent knowledge of the contemporary enterprise Java stack, as well as industry-standard frameworks such as Spring.

- Excellent knowledge of modern lightweight MVC web frameworks such as Django and Rails, as well as lightweight content management systems such as Drupal.

- Experienced in the use of modern Javascript development techniques, including tools and frameworks (Backbone.js, require.js, Grunt.js, etc), and testing methodologies.

- Proficient at relational database theory, as well as working knowledge of all major RDBMS vendors. Good knowledge of nonrelational alternatives, such as Redis, MongoDB, and Neo4J.

Operating Systems:

- Skilled system administrator on Linux, Unix and Windows platforms

- Extensive use of virtualization technologies for prototyping, functional testing, and development.

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