

BRIAN KEMPER

SOFTWARE ARCHITECT

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EXPERIENCE

ENCOMPASS K.K. | Tokyo, Japan | 2009-Present

SENIOR PROGRAMMER

- Creator and lead developer of a web-based sales management platform for small businesses.
- Project Manager for client website development, social media presence, book publishing, smartphone app development and marketing campaigns.
- Responsible for communicating project requirements from management to technical staff and third party vendors.

THE UNIVERSITY OF TOKYO | Tokyo, Japan | 2003-2009

COOPERATIVE RESEARCHER | TSUJII LABORATORY | 2007-2009

- Project manager and lead developer of PathText: a text mining integrator for biological pathway visualizations developed in collaboration with the University of Tokyo, Okinawa Institute of Science and Technology, National Centre for Text Mining (University of Manchester) and Systems Biology Institute.

COOPERATIVE RESEARCHER

DEPARTMENT OF FRONTIER SCIENCES & SCIENCE INTEGRATION | 2002-2007

- Lead developer for the EKOSS system, a semantic search engine developed for the sharing, discovery, and integration of expert scientific knowledge using semantic web and AI technologies.
- Lead developer for the Tokyo Half Project: A web-based exchange for countermeasure technology and computational model development. Managed integration with the MIT CADLab DOME project.

EIGOTOWN.COM | Tokyo, Japan | 2002-2003

FREELANCE DEVELOPER | Muncie, Indiana | 2001-2002

RUTTER COMMUNICATIONS | Muncie, Indiana | 1992-2001

COMMUNICATIONS&PROGRAMMING DIRECTOR

- Creator and lead developer of a business management system for tracking advertising sales, accounting and communication with satellite offices.
- Developed web-based weekly video news program for internal sales team communication, managed purchasing and maintenance of computers, communications, and networking equipment.
- Video production, editing and creative for local television commercials and lead developer for a regional telephone directory portal.

LAB MANAGER BALL STATE UNIVERSITY | Muncie, Indiana | 1990-1992

EDUCATION

MASTER OF SCIENCE, INFORMATION AND COMMUNICATION SCIENCES | 1995

Ball State University | Muncie, Indiana

BACHELOR OF ARTS, TELECOMMUNICATIONS | 1993

Ball State University | Muncie, Indiana

SKILLS

- Over 25 years of B2B and B2C software development experience.
- Adept at communicating ideas between management, marketing and technical teams.
- Experienced in dealing with language and cultural issues in business.
- Front end development using HTML/CSS/JavaScript, jQuery, Bootstrap, DataTables, Highcharts.
- Experienced in PHP server-side scripting.
- Knowledgeable in SQL with relational databases such as MySQL & PostgreSQL.
- Experience with Java, Apache Tomcat, Eclipse IDE, Zend framework, Photo and Video editing.

PUBLICATIONS

■ **PathText: a text mining integrator for biological pathway visualizations** | Brian Kemper, Takuya Matsuzaki, Yukiko Matsuoka, Yoshimasa Tsuruoka, Hiroaki Kitano, Sophia Ananiadou, Jun-ichi Tsujii | *Bioinformatics* [ISMB]. 01/2010; 26:374-381.

■ **Community Platform for Pathway Model Building** | Y Matsuoka, S Ghosh, N Kikuchi, R Sætre, B Kemper, N Okazaki, S Ananiadou, J Tsujii, H Kitano | 10th International Conference on Systems Biology; 09/2009

■ **Internet-Based Integrated Environmental Assessment, Part II: Semantic Searching Based on Ontologies and Agent Systems for Knowledge Discovery** | Steven Kraines, Rafael Batres, Brian Kemper, Michihisa Koyama, Vincent Wolowski | *Journal of Industrial Ecology* 02/2008; 10(4):37 – 60. · 2.28 Impact

■ **Connecting Text Mining and Pathways using the PathText Resource** | Rune Sætre, Brian Kemper, Kanae Oda, Naoaki Okazaki, Yukiko Matsuoka, Norihiro Kikuchi, Hiroaki Kitano, Yoshimasa Tsuruoka, Sophia Ananiadou, Jun-ichi Tsujii | *Proceedings of the International Conference on Language Resources and Evaluation, LREC 2008, 26 May – 1 June 2008, Marrakech, Morocco*; 01/2008

■ **PathText: Text Mining Tools Integrated with Biological Pathway** | R Sætre, B Kemper, K Oda, N Okazaki, Y Matsuoka, N Kikuchi, H Kitano, Y Tsuruoka, S Ananiadou, J Tsujii | *Genomes to Systems Conference 2008 Handbook*; 01/2008

■ **EKOSS: A Knowledge-User Centered Approach to Knowledge Sharing, Discovery, and Integration on the Semantic Web** | Steven B. Kraines, Weisen Guo, Brian Kemper, Yutaka Nakamura | *The Semantic Web – ISWC 2006, 5th International Semantic Web Conference Athens, GA, USA, November 5-9, 2006, Proceedings*; 01/2006