Daniel J Boston

89 Johnston Ave. Fl 2, Kearny, NJ 07032 862-235-4255 work@danieljboston.com

Summary

I am a seasoned developer with experience in many environments such as Eclipse, Netbeans, Lotus Domino and Visual Studio. I have programmed in a multitude of languages including Java, C++, C#, PHP, Perl, JScript, VBScript, LotusScript, D/X/HTML and Javascript.

Additionally, I have developed solutions using platforms and technologies including but not limited to Lotus Notes/Domino, Apache, MySQL, PostgreSQL, Oracle DBMS, Prototype, Linux, Windows, Droid2.X and WM5+.

I also have experience with all aspects of the software development life cycle, team leadership, goal setting and conflict resolution through my entrepreneurial endeavors, recreational society positions and research project management tasks.

Experience

PhD Researcher

August 2008 – Present NJIT, Newark, NJ

- Mobile application development using Java and C# for Droid2.X and Windows Mobile 5+
- Database design and maintenance with MySQL and PostgreSQL
- Designed and implemented decentralized social group detection algorithms and analytic metrics using Java and SQL
- Principle focus on mobile and ubiquitous systems and algorithms
- Regular academic paper submission using LaTeX, MS Excel and Word
- Designing curriculum and teaching basic programming and problem solving to engineering students

Chief Technology Officer and Senior Programmer

March 2008 – February 2011 Zinkk, Inc., Lyndhurst, NJ

- Co-founder with four other principles
- Designed million+ record database structures with millisecond scale query resolution on commodity hardware
- Created NLP-powered document semantics extraction and cross-association engine
- As CTO, directed the day-to-day activities of the systems and network team and deployed and maintained project management for the company as a whole

Developer

June 2001 – September 2008 Boston Technologies Inc., Vineland, NJ

- Developed Custom Electronic Medical Records Systems with Lotus Notes Domino Designer, LotusScript, Java, and SQL
- Built integrated online ordering/payment system with ASP, VBscript, Jscript, AJAX, and Lotus Domino
- Designed graphical front-end for pre-existing RPG application using IBM WebFacing, CSS, JSP, and XML
- Implemented internal database driven applications, including a custom cash-register application

Education

New Jersey Institute of Technology, Newark, NJ
Sept. 2008 – May 2013 *(anticipated)*
- PhD in Computer Science
- Research in Mobile Ubiquitous Computing and Systems

New Jersey Institute of Technology, Newark, NJ
Sept. 2005 – May 2008
- Bachelor of Science in Computer Science
- Minor in Applied Mathematics
- Graduated *Summa Cum Laude*

Interests

Java development, data visualization, algorithm design, application design, database design, artificial intelligence and learning systems

Publications

Analysis of Fusing Online and Co-presence Social Networks
   Proceedings of the 2nd IEEE Workshop on Pervasive Collaboration and Social Networking (PerCol 2011), March, 2011
   Susan Juan Pan, Daniel Boston, Cristian Borcea

GDC: Group Discovery using Co-location Traces
   Proceedings of the 2nd IEEE Symposium on Social Computing Applications (SCA-10) held in conjunction with IEEE SocialCom 2010, September, 2010
   Steve Mardenfeld, Daniel Boston, Susan Juan Pan,
   Quentin Jones, Adriana Iamntichi, Cristian Borcea

MobiSoC: A Middleware for Mobile Social Computing Applications
   ACM/Springer Mobile Networks and Applications (MONET)
   Journal, November, 2009
   Ankur Gupta, Achir Kalra, Daniel Boston and Cristian Borcea

References

References are available on request.