Kris Rogers

Software Engineer

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Summary

Highly adaptable software engineer with diverse commercial development experience. Proficient in all stages of product development, from inception to deployment. Focused on producing high quality, useful software, with a strong awareness of business constraints and other practical factors.

My passion is for building innovative products and services that enrich the user experience. I am driven to learn how things work and to improve them. I seek a role in which I can continue learning whilst providing a meaningful contribution.

Key Technical Skills

- 6 years commercial development experience[Java, JavaScript, HTML/CSS, Python]
- Text Analytics & Information Visualisation
- UI Design
- Multi-platform Desktop Deployment [Windows XP/Vista/7, OS X, Linux (Ubuntu)]
- Server Deployment [Linux, Amazon EC2]
- Relational & NoSQL Databases [Oracle, MySQL, MongoDB]
- System Testing

Employment History

Leximancer

June 2008 – Present

Employed as a software engineer on a variety of commercial and internal projects. Began with collaboration on the company's flagship Java-based text analytics platform before being assigned several of my own projects to manage from design to delivery. Worked in collaboration with the University of Queensland on multiple research-based software development projects.

- Created a modern web interface for the company's flagship browser-based text analytics software. Utilised emerging JavaScript frameworks such as ExtJS to provide a feature rich desktop-like interface. Implemented complex, interactive information visualisations with browser technologies (JavaScript, SVG, HTML/CSS).
- Lead the development of a recurrence analysis tool that is the result of ongoing research at the University of Queensland. The software was built as both a portal offering and desktop product using server (Python, Django, MongoDB, CherryPy) and client (JavaScript, ExtJS, RaphaelJS)

technologies.

- Designed and implemented a multi-threaded web crawling library in Python to support our software's requirement for recursive searching on web data. Also developed a web wrapper for the library that provided a user interface and published a REST API for integration with other services.
- Designed and implemented a browser-based software prototype for analysing trends in Twitter data. Utilised JavaScript to provide multiple interactive data visualisations. Created command-line tools in Python to search, download and process Tweets via the Twitter API.
- Collaborated on a conceptual search tool for finding articles within Elsevier's ScienceDirect database. Utilised Amazon EC2 API to synchronise RSS updates from Elsevier with a private copy of the content database hosted on the Amazon cloud.
- As part of a federal grant, implemented a hierarchical codebook classification system to automatically identify and describe counter-terrorism events within documents both uploaded and fetched from web sources (blogs, government web sites).
- Created comprehensive quantitative reports in PDF and HTML using the iText library in Java.

Daesim Technologies

November 2006 – June 2008

Employed as a graduate software engineer. Began with maintenance and additions to a Struts-based web application for process control and moved on to lead the development of both commercial and internal projects.

- Lead the development of a Struts-based Java web application for the scheduling and realtime display of maintenance activities at a coke-making plant; included database schema design and implementation in Oracle.
- Created a prototype web-based tool for integrated risk assessment. Implemented drag-and-drop GUI tools using JavaScript technologies.
- Collaborated on, and maintained, several web applications utilising Java technologies such as Struts, Struts 2, JasperReports, Grails and Hibernate.

Education

Bachelor of Software Engineering (Hons). University of Queensland. *2002 – 2006*

References

Details on request.

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