# Ehsanul Hoque

ehsanul@ehsanul.com
(347) 679 9621

## Profile

I'm a web developer and generalist, with a passion for startups. I'm quick to learn and my skills range from game programming to query optimization.

## Projects

**Jellly**  Suggests relevant links as you browse the web, via bookmarklet/add-on
Works by *automatically extracting keywords* to search for related content
Website: http://jellly.com/

- Sole *technical co-founder*
- Integrated Java machine learning tools (via JRuby/Sinatra) with client-side unsupervised keyword extraction algorithms for *superior* keywords
- Tuned scoring algorithms for ranking the results from various sources

Xarkon  *Real-time*, physics-based MMO game built with Node.js
Play the original JS prototype on Chrome: http://xarkon.com/spaceball.html

- Wrote a components library for non-hierarchical code-sharing
- Custom game engine, written in CoffeeScript

## Experience

2010 – 2011  **Lead Developer and DBA** at Vebsite

- Data processing on the order of a *billion* records with Ruby
- Managed several PostgreSQL database servers
- Miscellaneous PHP programming and Linux server administration

## Technical Skills

| | |
|---|---|
| Programming | *Proficient* in Ruby and JavaScript |
| | Experienced with Python, PHP, Scheme and Bash scripting |
| Markup | LaTeX, HTML, XHTML, CSS, MarkDown |
| Databases | PostgreSQL, MongoDB, MySQL |
| Sys Admin | 3 year's experience remotely managing Linux (Ubuntu/CentOS) servers |
| | Comfortable with command-line tools and troubleshooting server issues |

## Education

May 2010  **Bachelor of Science** in Mechanical Engineering
*New Jersey Institute of Technology*, Newark, New Jersey
**GPA: 3.71**

June 2006  **Advanced Level General Certificate of Education** (A-Levels)
Examination Board: *Cambridge International Examinations*
Subjects: Mathematics, Physics, Economics, Accounting
Grades: A in each subject, with *national awards* in two

## Societies and Awards

- International Student Presidential Scholarship at NJIT
- Albert Dorman Honors College
- Phi Eta Sigma National Honors Society
- Two Certificates of Excellence from Cambridge University for the *highest marks obtained nationally* in both Mathematics and Economics in Saudi Arabia in the A-Levels Final Exam