

# Bram van der Kroef

SOFTWARE ENGINEER

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## Skills

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Programming Languages: Java, C/C++, PHP, Python, Javascript.

Areas: Networks, Operating Systems, AI.

Operating Systems: Linux, Windows, OSX.

Other: Apache, MySQL, Drupal, jQuery, Git, Emacs, Eclipse.

## Education

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### Hogeschool van Amsterdam

Netherlands

B.S. OF INFORMATION AND COMMUNICATION TECHNOLOGY

September 2003 to July 2007

- Programming in Java and C/C++, system and network engineering, embedded systems, software engineering, artificial intelligence, project management and communication skills.

## Experience

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### Times Web Design

Fort Frances, ON

PROGRAMMER

April 1, 2008 to present

- Developing custom Drupal modules and themes for client websites. Maintenance on websites using HTML, PHP, Javascript, jQuery, CSS, MySQL and Drupal.
- Reduced time to install and configure a Drupal site (+ modules) from half hour to minutes by using Python to automate the process. Create Drupal themes in half the time it took before. Automated launching of a website from development to live server with Python and shell scripts.
- Developing in-house software for keeping track of client information, project progress and billing in a MySQL database.
- Writing PHP software for the newspaper to manage subscriptions and paper routes in a MySQL database.
- Writing the software used in fishing tournaments for displaying team ranks and weight of fish. Software is used at the Fort Frances Canadian Bass Championship and the Emo Walleye Tournament. PHP software on a webserver manages tournament data in a MySQL database. Weights are entered through a web interface. Display screens are transferred to client PC's with ajax; info about the team on stage to the overhead projectors, notes to the MC on a screen on stage, and a leader board to a large TV screen. The screens are controlled with a JavaScript interface backstage.

### Celsius Benelux B.V.

Amersfoort, NL

PROGRAMMER

July 1, 2007 to August 30, 2007

- The company installs building control systems that control lighting, air conditioning, etc, in large buildings. The Java tool I created lets engineers set up lighting controls in buildings. The interface features blueprints of the floors on which icons can be placed that correspond to lights. The icons can be linked to sensors to turn them on and off and can be assigned to groups to control multiple lights in a room as one. The interface connects directly with the Java software on the control system so changes take effect immediately.

### Celsius Benelux B.V.

Amersfoort, NL

INTERN

February 5, 2007 to June 22, 2007

- Created a Java application that generates manuals for custom building control systems. The tool queries the control system for equipment it controls and downloads documentation from the company's internal wiki. The documentation for all the equipment is assembled and a manual is generated in HTML, RTF (can be read in MS Word) and LaTeX.

### Open Sesame ICT

NL

INTERN

September 1, 2005 to January 20, 2006

- Programmed in PHP, Javascript and Python.
- Developed features for the company's web based Content Management System and Document Management System products including:
  - A module that converts MS Visio documents to web pages.
  - A module that checks MySQL databases for corrupt tables.
  - Drag & drop for the web-based file manager.
  - A module that checks an email account for new emails using IMAP and adds attachments to the Document Management System.