Daniel James Naab

Software Engineer

Diverse career experience designing web applications, desktop software, enterprise tools, and quality assurance. Utilizes strong problem solving skills to produce creative solutions, excelling during all phases of the software development cycle.

Strengths

With a background in multiple software disciplines, as well as a breadth of experience in all phases of the software development cycle, Daniel is a strong generalist who believes in using the right tool for the job.

Detail-oriented self-starter

Having spent time doing formal QA and several years as the lead on multiple projects, Daniel is efficient and knows how to quickly find the crux of a problem. Sensitive to the needs of all stake-holders, he has strong communication skills.

Python Development

Having gained experience with Python while automating Sonic Foundry's entire release cycle, Daniel recognizes that in addition to many automation tasks, Python is a strong platform for web and cross-platform desktop development. Over 10 years experience using Python to solve real-world problems.

Web standards

Fascinated by the potential of network-enabled end-user applications, Daniel enjoys working with web standards including HTML, CSS, and Javascript.

Web Applications

- **Research-oriented apps for Moffitt Cancer Research Center**, including complete development of BMT BRAIN, a large data-management and data-mining tool for bone marrow transplant research and therapy. Django, ExtJS, MySQL.
- **Canvassing Automation System for the Fund for the Public Interest**, a Django-based data entry fundraising application used by affiliated canvassing operations including the Sierra Club, Human Rights International, and Environment America.
- **Freelance web design and hosting for Natty Nerd**, including several small-business websites and online stores. Django, MySQL, Satchmo, FeinCMS, jQuery, Google Analytics, Google App Engine.
- **PitstopPad, an online vehicle maintenance log**, with source code available. Django, Facebook Connect, jQuery.
- **Orascoptic Research and Surgical Acuity corporate websites**, development/maintenance.

```
>>> import naab
>>> print naab.education.__doc__
   University of Wisconsin - Madison
   BS, Computer Science
   Aug 1997 - May 2001
>>> print naab.other.__doc__
* Developer/committer, SwingWT, a Swing API over SWT.
* Software Quality Assurance, Sonic Foundry.  Oct 1999-May
  2000.
```

Desktop Software

- **Lead development of Tunes and Views, a multimedia slideshow, for DSI**. This screensaver and presentation-like slideshow tool was developed in Python with a Qt/PySide GUI; Phonon, the Python Imaging Library, and PyAudio were used for media support. Windows and OS X versions.
- **Lead Developer for METAJAM and Promo Studio, musician management software, for broadjam.com**. Java, Swing, JDBC, Apache HttpClient, Apache Tomcat. Contributed extensive code to the open-source SwingWT project. Windows and OS X versions.
- **DRAW Pro Premier, Instant Designer, and CAD Pro, for Delta Software International.** As sole developer, handled several release cycles of this suite of C/C++ MFC consumer CAD applications. WinXP and Windows 7 logo certification.
- **Sound Forge, ACID, Vegas, and SIREN, audio and video productivity tools, for Sonic Foundry (Sony Creative Software)**. New feature development and release-cycle management. C++, Win32 APIs, Windows Installer, nmake.

Automation & Enterprise

- **Build automation and installer development for Sonic Foundry (Sony Creative Software)**. Accomplishments include complete release-cycle automation, leading to drastic efficiency gains for the entire development team and SQA departments.
- **Distributed CD ripping/encoding system for Pressplay**. Developed an automated CD ripping system which, in a fault-tolerant manner, encoded via a grid to roughly a dozen streaming formats for online distribution. Python and MSSQL for job management, MS Access for data-entry and QA, and AKRip utilized for ripping. Windows Media and RealMedia SDKs for encoding.
- **Song lyric web crawling for Gracenote**. Developed and deployed a Java-based tool to automate the acquisition and normalization of song lyrics from the web, for licensed redistribution. Google search APIs, Java HTTP client.

Contact Daniel

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Work History

Moffitt Cancer Research Center, web application development and maintenance, 2011

Freelancer, desktop applications and web development, 2005-2011

JADE International, Contract Software Engineer, 2005-2010

Fund for the Public Interest, Contract Web Application Developer, 2007-2008

Broadjam.com, Lead Software Developer, 2002-2004

Sonic Foundry, Software Design Engineer, 1999-2002

Orascoptic Research, Network Administrator, 1999

Data Doctors, Hardware/Software Technician, 1995-1998