

# Adam T. Schaal

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## OBJECTIVE

Software Applications Developer with management experience seeking a Developer position with a strong local company.

## EDUCATION

### University of Nebraska at Omaha

01/2012 – Present

- Seeking Masters Degree in Information Assurance – Estimated Completion Date: May 2016
- GPA 3.78/4.00

### University of Nebraska at Omaha

08/2004 – 05/2009

- Masters Degree in Structural Engineering – May 2009
- Bachelors Degree in Structural Engineering – May 2008
- Achieved **EIT Certification** by passing the Fundamentals of Engineering Exam – April 2008
- GPA 3.30/4.00 – Dean's List last two semesters
- Master's Thesis: A Study Examining the History of Moment Coefficients in the ACI 318-05 Code
- Regent's scholarship winner – Received for maintaining a 3.9/4.00 GPA in high school and finishing in the top 5% of class numbering over 600.

## WORK EXPERIENCE

### Gallup, Inc.

#### Software Applications Developer

09/2014 – Present

- Part of development team working on the next version of Gallup Analytics and Reporting.
- Responsible for work with Ember CLI and all associated technologies.
- Part-time work on Section 508 Java and XSLT updates.

### National Indemnity Company

#### Software Developer I

07/2011 – 11/2011

- Responsible for the maintenance, error/bug fixing, and revisions on *NICO-Rate*, a flagship commercial vehicle rating program used nationwide.

#### Software Developer II

11/2011 – 12/2011

- Assistant administration duties of the Image Right Task Creator, which aids in batch policy printing.
- Works with Microsoft SQL Server, ASP.NET, Visual Studio, jQuery, and Crystal Reports.

#### Software Administrator

09/2011 – 09/2014

- Promoted to administrator of *Upload*, a program that takes all policy data and uploads it to the mainframe.

#### Lead Software Developer (FNOL)

08/2012 – 09/2014

- Promoted to lead developer of *First Notice of Loss* a claims web application used within Home Office.
- Uses HTML 5.0 and CSS 3.0 in addition to jQuery and JavaScript.
- Preparing for Nationwide rollout of product – product is undergoing load testing currently.

#### Lead Software Developer (ACES & NIFIS)

11/2012 – 09/2014

- Promoted to lead developer of *ACES* and *NIFIS*, two internal programs focused on printing legally binding policy documents for all 50 states.
- Responsible for every work order and bug with LIVE policies and ensure fixes in a timely manner.

### Hy-Vee Weitz Construction

#### Project Superintendent – Hy-Vee Remodel - 132<sup>nd</sup> and Dodge

02/2010 – 07/2011

- Supervised and managed sub-contractor crews over entire length of project. Trades included steel erection, reinforced concrete, masonry, carpentry, electricians, HVAC, and refrigeration.
- Coordinated multiple disciplines including structural, mechanical and electrical. Familiar with all discipline blueprints and plans as well as discipline inspections and permits.
- Responsible for sub-contractors meeting deadlines, staying within budget, and following all OSHA guidelines.
- Demonstrated proficiency with time management and multitasking skills.

### Shaffer & Stevens, Consulting Engineers – Omaha, Nebraska

#### Structural Engineer

04/2007 – 01/2009

- Designed structural components for many projects utilizing math and reasoning skills.
- Worked with engineering code books: IBC 2005, ASCE-07, AISC 360, and ACI 318-05.
- Hired as full-time Structural Engineer after one year of internship.
- Demonstrated proficiency with analytical and problem solving skills in an independent work environment.
- Scope of projects included reinforced concrete design, steel frame design, bridge design, etc.

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## University of Nebraska at Omaha

Engineering Dynamics Graduate Teaching Assistant

Steel Design Teaching Assistant

College Algebra Teaching Assistant

01/2009 – 05/2009

01/2008 – 05/2008

08/2006 – 12/2007

## LEADERSHIP

Graduate Advisor – 2009 University of Nebraska Seismic Design Team – Achieved 2<sup>nd</sup> in nation for innovation award involving a magnetic dampening system.

Elected Treasurer – University of Nebraska at Omaha's Information Security team NULLify. (2012-13 academic year)

Marketing Team Member – One of nine National Indemnity marketing team members. (11/2011 – 07/2014)

## DEVELOPER KNOWLEDGE

### Languages:

Microsoft ASP.NET 3.0-4.5

MSSQL 2008 R2

HTML

CSS

Javascript/jQuery

Ember CLI

React.js

### Development Environments:

Windows

Linux/Unix

Mac OS Mavericks

Visual Basic 6

Visual Studio 2010, 2012, 2013

Eclipse

IntelliJ

### Application Types:

Web Service

Web Application

Class Library

ASP.NET

### Other Knowledge:

Crystal Reports

Subversion

GitHub

MediaWiki

Sublime

Jenkins Server

SCRUM

## SECURITY EXPERIENCE

### **NULLify – University of Nebraska at Omaha's Information Security Team**

#### Capture the Flag Competition Experience:

<http://www.ctftime.org/team/573/> Handle: clevernyyyy

- o CSAW 2012, 2013
- o Hack.lu CTF 2012
- o rwthCTF 2012, 2013
- o Ghost In the Shellcode 2013
- o ForbiddenBITS CTF 2013
- o PlaidCTF – 2013, 2014
- o VolgaCTF - 2013,2014

#### Cyber Defense Competition Experience

- o Iowa State University National Cyber Defense Competition

## PROFESSIONAL SKILLS

Engineering Knowledge – Familiar with government and industry standards for code and reliability.

Written Communication – Accomplished year-long Graduate Thesis project. Completed both English Composition II and Technical Writing for Engineers at the University of Nebraska at Omaha. Experienced with preparing, writing and reading professional documents and contracts.

Verbal Communication – Utilized and improved verbal communication skills while teaching college algebra, engineering dynamics and steel design. Demonstrated ability to both teach concepts and answer questions effectively. Also an excellent communicator when delegating tasks to subordinates.

Extensive Computer Knowledge – AutoCAD, Microsoft Office Suite, MathCAD 14.0, AutoHotKey, Batch, and the ability/adaptability to learn new software quickly.

Management Skills – Effective management methods and leadership development. Experience leading teams of 8 or more using successful negotiating techniques and team appraisals.

Marketing Skills – Persuasive, knowledgeable leader. Was asked to join Marketing team for National Indemnity Company 04/2012.