

# Nathaniel Ekoniak

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(206) 898-2189

## CORE COMPETENCIES

- ▶ Object-oriented design and programming in Perl and other languages
- ▶ SQL and relational database design for MySQL, SQLite and PostgreSQL
- ▶ Major operating systems including Mac OS X, GNU/Linux
- ▶ Version control software including Git and Subversion
- ▶ Pair programming, Scrum and Agile development practices
- ▶ Communication security practices and public-key cryptography concepts
- ▶ Familiarity with various Internet standards and networking protocols
- ▶ Excellent written and verbal communication skills for both technical and non-technical audiences
- ▶ Designing and documenting software projects and APIs with clarity and precision
- ▶ Solving challenging problems in an elegant and efficient manner

## WORK EXPERIENCE

### **Owner, Ennate Technologies.**

**Washington, Ohio & Pennsylvania.**

**August 2015 – Present**

- ▶ Provided consulting and technology solutions for local businesses and non-profit organizations
- ▶ Performed on-site maintenance and IT support in and around Seattle, Youngstown and Pittsburgh

### **Full Stack Developer, WWR LLC.**

**Seattle, Washington.**

**December 2015 – June 2015**

- ▶ Specified and prototyped, with a small team, a proof-of-concept web application (details under NDA)

### **Software Engineer, University of Washington.**

**Seattle, Washington.**

**December 2012 – August 2015**

- ▶ Developed, maintained and supported various applications and application stacks to address needs for engineering, telecom and IT support systems, as a member of the Network Management Tools team
- ▶ Received ITIL certification and developed organization-wide support tools and ITIL middleware during a major transition to a new service request, ticketing and organizational management system

### **Software Development Engineer, Amazon.**

**Seattle, Washington.**

**December 2011 – December 2012**

- ▶ Developed and maintained Perl and Java web applications supporting gift card purchasing and management as a member of the Gift Card Applications and User Interface team

### **Software Developer, SymonTek.**

**Seattle, Washington.**

**January 2008 – November 2011**

- ▶ Developed in-flight networking solutions for use over satellite and other links with high latency, limited bandwidth and/or intermittent connectivity
- ▶ Collaborated on the rapid development of applications in maintainable, object-oriented Perl, integrating off-the-shelf and open-source components to reduce cost, technical debt and time-to-market
- ▶ Wrote and maintained system description and API documents for various company products, as well as XML data exchange and SQL database schema and internal development standards documents

**WORK EXPERIENCE (CONTINUED)**

**Assistant Language Teacher, Shibushi City Board of Education.**

**Kagoshima, Japan.**

**August 2006–August 2007**

- ▶ Assisted in the teaching of English at three public junior high schools and six elementary schools
- ▶ Taught Adult and Youth English conversation classes for Shibushi City's Lifelong Learning Program
- ▶ Helped to organize and participate in city events for the promotion of cultural exchange

**Web Developer, The Post.**

**Athens, Ohio.**

**April 2005–July 2006**

- ▶ Co-designed and implemented, as part of a small team of developers, Fourdrinier, an in-house CMS written in PHP, offering a dramatic increase in the functionality, stability, compatibility and usability of *The Post Online*, a public newspaper website serving thousands of users
- ▶ Designed Fourdrinier's back-end PostgreSQL database, emphasizing data integrity and performance
- ▶ Normalized and converted years of historical data to an internally consistent format, greatly increasing the efficiency of data insertion and retrieval as well as expanding the utility of existing data

**Assistant Server Administrator, Ohio University Physics Department.**

**Athens, Ohio.**

**September 2005–March 2006**

- ▶ Assisted with the maintenance of the Linux servers for the Lon-CAPA online course delivery system
- ▶ Created an automated backup solution for the servers supporting Lon-CAPA, using Perl and rsync, increasing the frequency and longevity of backups while decreasing storage requirements

**Technical Coordinator, America Coming Together.**

**Liberty, Ohio.**

**June 2004–September 2004**

- ▶ Managed technical operations and automated high-volume, labor-intensive data entry processes, resulting in an order-of-magnitude productivity increase and significant cost savings

**EDUCATIONAL BACKGROUND**

**Bachelor of Science in Computer Science, *cum laude*.**

**June 2006**

**Ohio University Honors Tutorial College. Athens, Ohio.**

**September 2002–June 2006**

- ▶ Major: Computer Science
- ▶ Minors: Mathematics and Japanese
- ▶ Cumulative GPA: 3.5 out of 4.0
- ▶ Dean's List: 6 times
- ▶ Coursework completed in C/C++

**Chubu University. Kasugai, Japan.**

**September 2004–February 2005**

- ▶ Advanced courses in Japanese language and culture
- ▶ Iwate Homestay and Cultural Immersion Program

**University of Pittsburgh. Pittsburgh, Pennsylvania.**

**Summer 2016**

- ▶ 6-week intensive Summer Language Institute course in Slovak language