

Nathaniel Ekoniak

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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 2016–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 2016

- ▶ 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