

## Neil Simon

206 S. Shields • Fort Collins, Colorado • 303-402-9500 • nsimon@solidcode.com

### OVERVIEW

- . 15+ years of analysis, design, development and implementation experience.
- . Skilled at designing, developing and testing modular, maintainable solutions.
- . Skilled at diagnosing and solving defects in production software.
- . Skilled at automating and scheduling production and backup tasks (cron).
- . Expert level Bash and PHP scripting (8+ years).
- . DocMGR Linux open source document management deployments, custom programming.
- . Experienced API developer.
- . SFTP/FTP server configuration, automated file receipt, custom post-processing.

### RELATED SKILLS

- . Design: requirements, architecture, algorithms, pseudocode.
- . Implementation: documentation, liberal code commenting, application logging.
- . Testing: unit testing, system testing, scripted test automation.
- . Basic knowledge of python, node.js and PostgreSQL.
- . Linux tools: awk, sed, pipes, pdftools, curl, wget, smtp mail, Apache, Tomcat.
- . Version control.
- . Expert level C programming.
- . Web development: CSS, HTML, Javascript, jQuery, Firefox web developer tools.

### INTERPERSONAL SKILLS

- . Excellent written and verbal communication skills.
- . Flexible, able to learn quickly, efficient.
- . Attentive listener, open minded, collaborative, enjoy working with others.
- . Coached and mentored a junior high school student, who now works at Microsoft.
- . Led many lay trainings on project architectures and designs.

### EDUCATION AND TRAINING

B.S., Computer Science.                    Stephen F. Austin State University. Nacogdoches, Texas.  
Embedded Systems Design.                University of Colorado, Boulder.  
Real-Time Embedded Systems.            University of Colorado, Boulder.  
PHP and MySQL Programming.            Front Range Community College, Longmont, Colorado.

### CERTIFICATIONS

Microsoft Certified Professional.                    License 3459539.  
CompTIA Security+ Certified Professional.            License 001004391171.

## EMPLOYMENT HISTORY

11/2011 - present Integral Consulting. Fort Collins, Colorado.  
Senior Software Engineer.

- . Designed, implemented and maintain a web-based employee hourly billing viewer tool for use by employees and human resources. Deployed on an internal Linux cloud server. Built with PHP, HTML, CSS, PostgreSQL, Javascript, jQuery, flot.js (charting) and Apache. Simple, intuitive front-end.
- . Designed and developed a XLSX monthly invoice spreadsheet for accounting that streamlined a cumbersome, time-consuming, error-prone monthly hand-edited spreadsheet. Up to 150 sheets are generated, one per invoice. Developed on a Linux cloud server with PHP, PHPEXCEL, Bash and PostgreSQL.
- . Developed a scheduled, database backup script that backs-up production PostgreSQL databases onto an external storage device. Implemented with Bash shell scripting and runs nightly under cron at 1:00am. Stable for 4 years.
- . Deployed a Linux cloud server that receives nightly inbound SFTP water column data from state Ferries in Puget Sound. Designed and implemented SFTP capture, data post processing and NOAA OpeNDAP and THREDDS servers. Stable for 3 years.
- . Implemented over 20 self-contained open source PDF document management servers on Linux VM cloud servers. Designed procedures and software for merging multi-page tiff files into PDFs, automated PDF OCR and custom loading scripts that load documents and keywords into a PostgreSQL document database.

02/2009 - 10/2011 Geomega. Boulder, Colorado.  
Senior Software Engineer.

- . Developed internal ETL (extract, transform, load) website to extract, transform and load Excel, Access and PDF lab data into PostgreSQL databases.
- . Developed PHP/SQL scripts to automate spreadsheet processing into databases.

09/2003 - 01/2009 Mainway Computer Support. Boulder, Colorado.  
Owner.

- . Provided computer support for small businesses and individuals in Boulder.
- . Developed a customer base of over 300 clients.

05/2003 - 09/2003 Pillar Data Systems. Longmont, Colorado.  
Senior Software Engineer.

- . Developed a regression test system in Bash for testing nightly software builds.
- . Automated daily regression testing for over 100 software engineers.

College Intern. Stephen F. Austin State University. Nacogdoches, Texas.  
Student Programmer, Administrative Systems.

- . Developed administrative software for the university.
- . Applications included purchasing, central stores, registrar, alumni association.