Steven Nichols

C/C++ Software Engineer
Grand Rapids, MI
-Email me on Indeed: http://www.indeed.com/r/Steven-Nichols/fe1819918bc049e2

Focused ■ Detailed ■ Analytical ■ Collaborative ■ Pragmatic ■ Thorough

Results-oriented C/C++ software engineer with experience in a broad range of industries. Gets things right the first time and takes pride in a sense of ownership. Adept at thinking "several moves ahead" in anticipating and averting potential defects.

Authorized to work in the US for any employer

Work Experience

Software Engineer

IS Risk Analytics - Ada, MI
August 2017 to Present

• Prototyped a bridge, plugin, and gateway for R&D of the next generation of financial trading products supporting the MetaQuotes MT5 APIs
• Maintained the code base for the Nexus bridge (the ISRA flagship software product), resolving defects and extending its capabilities
• Automated Nexus tests, reducing testers' involvement from 8 hours to 15 minutes
• Designed, coded, and deployed a complete integration/regression test platform reducing the human time commitment simulating the entire operating environment of the Nexus bridge, including a price feed emulator and an emulator of the dominant industry trading platform, MT4, thus providing a way to present to Nexus various controlled conditions in which to test it for correct operation
• Developed a python-language "interface" for the testing system, authoring example test scenarios for use in tester training.
• Trained non-technical testers in a simple-to-use python front-end that I developed for the testing system, starting from example scenarios

Software Engineer

CONSOLIDATED PRINTING - Van Buren, AR
January 2016 to July 2017

• Developed software to produce college and professional athletic tickets

Contract Software Engineer

TOSHIBA GCS - Bentonville, AR
September 2015 to December 2015

• Developed C and C++ code for boot-time configuration of point-of-sale controllers

Software Consultant

TEXAS ASSOCIATION OF CHARITABLE CLINICS - Austin, TX
November 2014 to September 2015

• Developed membership management database application to replace legacy spreadsheet

IT Developer
HOME DEPOT - Austin, TX
November 2013 to August 2014

• Determined root cause of problems due to software failures through troubleshooting and analysis of shell scripts and Java stack traces in HP-UX environment

Software Engineer
HEWLETT PACKARD - Austin, TX
June 2011 to October 2013

• Developed code for the B2B Enterprise Web Store and proof-of-concept mobile web store, improving the user experience with code to persist UI state in cookies and refactoring code to avoid race conditions

Education

Bachelor of Science in Information Technology
UNIVERSITY of ARKANSAS

Bachelor of Music
ARKANSAS STATE UNIVERSITY

Skills

• C/C++ (10+ years)
• Windows desktop development (10+ years)
• Serial communications driver development (2 years)
• Development for industrial automation - headless operation (2 years)
• Windows CE development (2 years)
• Embedded development (Less than 1 year)
• CMX RTOS development (Less than 1 year)
• Unix / Linux (3 years)
• Subversion / svn (2 years)
• Git (4 years)
• MetaQuotes MT4 APIs (4 years)
• MetaQuotes MT5 APIs (1 year)
• Jira
• MySQL

Groups

Austin Project Management Toastmasters
September 2014 to September 2015

http://apmtoastmasters.org

Austin IIBA
September 2014 to September 2015

Embedded GR
January 2019 to Present

Engineers, hobbyists, students, and managers in the Grand Rapids, MI area discussing the development, tooling, and processes associated with the creation of embedded systems

Software GR and GLSEC
December 2019 to Present

Trade association dedicated to improving the competitiveness of Michigan's software development community

Publications

Basis Trader
http://www.tandfonline.com/doi/abs/10.3200/JECE.39.4.401-402?journalCode=vece20
2008

Introduction to Basis Trader, a software teaching aid on the concepts of grain merchandising, hedging, and basis trading.