Paul Joseph McNamee

9612 W Chatfield Ave. Unit B Littleton CO 80128 | US Citizen | Paulmc121@gmail.com | PaulMcNamee.com | 412-251-7014

Skills

Languages: C#, ASP.NET, SQL, Python, PHP, JavaScript, Less, Sass, CSS, HTML, C++, Java, Perl, and VBA
Frameworks/Libraries: NodeJS, handebars, EmberJS, Laravel, Django, VueJS, and many more
Software: Visual Studio, IntelliJ Suite, MSOffice (Excel wizard), Photoshop, Illustrator, SolidWorks, and Autodesk
Tools: Jira, Bamboo, Crucible, Fisheye, Selenium, SVN, bitbucket, and Git

---

Work Experience

Alarm.com

Senior Software Engineer - *May 2018 - Present -* Denver, CO
➢ Officially manage two software engineers and mentor several other software engineers
➢ Lead engineer on new video device integration for ADC-SVR122E
➢ Continued support of previous projects and device integrations at Alarm
➢ Assist with and improve new hire onboarding processes for the Software team

Software Engineer - *December 2016 - May 2018 -* Denver, CO
➢ Lead engineer on three new video device integrations (ADC-V722W, ADC-V522IR, ADC-SVR122)
➢ Lead engineer for developing integration tests for video devices to be ran by the third parties prior to providing new firmware and new hardware which dramatically reduced the number of development and test cycles
➢ Developed various backend software improvements involving FFMPEG, gstreamer, video clip processing, RTSP playback, html5 video player, flash video player
➢ Improved front end performance by switching pages to use async api requests, decoupled logic from the front end, and re-designed pages to use EmberJS
➢ Developed automated tests in C#, EmberJS(QUnit), Python, and Selenium (using Python, Java, and SeleniumIDE)
➢ Developed an in house integration test framework for working with backend objects and physical devices.

Quality Engineer - *July 2013 - December 2016 -* Vienna, VA and Denver, CO
➢ Managed 4 employees who maintained and executed firmware regression tests
➢ Implemented JIRA workflows for every department in the company while transitioning them from other third party softwares to maintain one cohesive company wide workflow for development, testing, and deployment
➢ Streamlined the build, automated tests, and release processes via DevOps best practices to allow developers, testers, and release management to operate more quickly and efficiently with the use of Jenkins/Hudson and Bamboo
➢ Created and managed test plans for regression testing our websites, firmware, hardware, and backend integrations
➢ Lead various process improvements working with a third party manufacturer to eliminate rework and improve a product from a final production test passing rate of around 50% to consistently 99-99.5%
➢ Trained all new engineering hires on JIRA (issue tracking software) and assisted with video team onboarding for the various software and hardware components
➢ Created and managed documentation for onboarding new hires as well as the software and hardware for video
➢ Automated various excel reports and assisted in creating documentation standards for the quality engineering team
➢ Interviewed, recruited, and assisted in hiring and onboarding candidates for software engineer and quality engineer
➢ Recruited at several Colorado schools (Colorado School of Mines, Colorado State University, and University of Colorado Boulder) to grow the new Denver office location

Precision Castparts Corporation (SPS Technologies)

Process Engineering Intern - *May - Aug 2012 -* Jenkintown, PA
- ➢ Automated excel reports resulting in over a 200% reduction in time for reports to be generated
- ➢ Created tools to analyze key spend areas via Pareto charts to identify the largest areas of impact across the company to increase productivity and eliminate waste
- ➢ Worked with teams to conduct several studies including a capability analysis, tool life, and a Tapping DOE
- ➢ Implemented an audit generator via MS Access and Excel to reduce the amount of turnbacks and returns

Johnson and Johnson (Neutrogena)

Operations Engineering co-op - *June - Dec 2011 -* Los Angeles, CA
- ➢ Created a dashboard to drive quality and streamline processes coming out of supplier quality summits
- ➢ Installation and validation of Visual Inspection Machines to conform to GPLV Standards, increase OEE, and cut costs
- ➢ Installation and validation of High Capacity Tube loaders to reduce ergonomic risks, increase OEE, and reduce misfeeds
- ➢ Installation and validation of clean in place (CIP) equipment for compounding – diaphragm valves, ports, spray balls and wands, riboflavin coverage testing, shroud seals, and kettle lid replacements

Johnson and Johnson (JJHCS)

Supply Chain Logistics Strategy Analytics co-op - *Jan - June 2011 -* Somerset, NJ
- ➢ Designed, implemented, and streamlined key daily business reports which accommodated over $60mil in invoicing, 10k orders, 30k lines, and provided insight into any missed shipments and lines cut from orders.
- ➢ Produced numerous tools utilizing SAP reports, VBA, Access, and Excel to streamline and automate daily operations
- ➢ Created a temporary access database to house SAP data until a full data warehouse was operational.
- ➢ Developed a high level status dashboard for each key process area in the Medical Devices and Diagnostics sector of J&J
- ➢ Handled daily data requests via SAP, Access, and Excel and implemented automation for each request to eliminate future rework for future similar requests

---

Projects and Leadership Experience

- ➢ Awarded first place for best project in the Lockheed Martin Design Awards (senior engineering design showcase) for a project assignment algorithm based on maximizing overall utility of the group of users
- ➢ Founder, and former Officer/Board Member of innoblue (*innoblue.org*) - incubator to help launch local startups - Obtained hacker space downtown, drafted executive summary, leave behinds, and investor presentations
- ➢ Co-Founder and former President and Treasurer of PSU Association Cigar and Finance Aficionados Club - involved in constitution writing, funding documents, trip allocation, planning, and execution
- ➢ Founder and developer for LivePSU (*no longer operational)* - built website, recruited team members and marketing members, developed local real estate company relations, and facilitated data acquisition/aggregation
- ➢ Trip leader for multiple Canning trips for Springfield THON, raising over $20,000 each trip for pediatric cancer

---

Education

The Pennsylvania State University: University Park, PA (main campus)
B.S. in Industrial Engineering, with a minor in Six Sigma Methodologies - Graduated Spring 2013