

Paul Joseph McNamee

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Skills

Languages: C#, ASP.NET, SQL, Python, PHP, JavaScript, Typescript, Sass, CSS, HTML, C++, Java, Perl, and VBA

Frameworks/Libraries: FFMPEG, GStreamer, AngularJS, Firebase, NodeJS, EmberJS, Laravel, Django, VueJS

Software: Wireshark, Visual Studio, IntelliJ Suite, MSOffice, Photoshop, Illustrator, SolidWorks, and Autodesk

Tools: CircleCI, Jira, Bamboo, Crucible, Fisheye, Selenium, SVN, bitbucket, and Git

Work Experience

Founder / Full Stack Engineer - Mischief.gg - December 2018 - Present - Remote

- Worked with Google Cloud Platform functions, firestore, Angular, Typescript, RxJS, and CircleCI
- Completed Streamlabs integration for notifications when users purchase a game
- Implemented friends functionality for searching and adding friends
- Implemented profiles with OAuth 2.0 and info from Google, Twitch, and Mixer APIs.
- Integrated various twitch.tv API items for displaying information about the current user and their past stats

Senior Software Engineer - Alarm.com - 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
- Lead engineer for the SD Card recording usable by many cameras
- Continued support of previous projects and device integrations at Alarm
- Assist with and improve new hire onboarding processes for the Software team
- Worked on several OpenVPN enhancements to increase throughput related to TCP and encryption ciphers.

Software Engineer - Alarm.com - 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 - Alarm.com - July 2013 - December 2016 - Vienna, VA and Denver, CO

- Managed 4 employees who maintained and executed firmware regression tests for video devices
- Implemented JIRA (Issue tracker) and developed workflows for every department in the company
- Streamlined the build, automated tests, and release processes via DevOps best practices
- 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%
- 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

Process Engineering Intern - SPS Technologies - 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

Operations Engineering co-op- Johnson and Johnson (Neutrogena) - 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, and cut costs
- Installation and validation of High Capacity Tube loaders to reduce ergonomic risks, 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

Supply Chain Logistics Analytics co-op - Johnson and Johnson (JJHCS) - 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.
- 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