

# John Paul Justice

## Senior SRE / SWE

<https://johnpjustice.github.io>

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As an experienced engineer, I have a deep-seated passion for building and maintaining top-tier software systems. I've worked in diverse sectors including government, healthcare, and gaming. My expertise lies in troubleshooting, development operations, architecture, CI/CD, site reliability, software methodologies, and the application of best practices and adopted patterns. I thrive on working with the latest technologies, including AI prompt engineering, retrieval augmented generation(RAG) and untangling complex problems. I'm always on the lookout for opportunities to learn new skills and refine my existing ones. I'm currently seeking a challenging and fulfilling role where I can leverage my skills to contribute to an organization's success.

## Education

Bachelor of Science  
Southern New Hampshire University  
3.7 GPA

## Skills

|                     |       |
|---------------------|-------|
| Terraform           | ★★★★  |
| New Relic NRQL      | ★★★★★ |
| C#                  | ★★★★★ |
| SQL                 | ★★★★★ |
| Azure               | ★★★★★ |
| AWS                 | ★★★★★ |
| LLMs/AI             | ★★★★★ |
| Security/SecOps     | ★★★★★ |
| Python              | ★★★★★ |
| GoLang              | ★★★★★ |
| PowerShell/Bash     | ★★★   |
| Kubernetes          | ★★★★★ |
| Pattern Development | ★★★★★ |
| Observability       | ★★★★★ |
| Automations         | ★★★★★ |

## Personal Projects

### Graphic Art/Photo Art (03/2009 - present)

- Developed a comprehensive portfolio demonstrating diverse skills and creativity, mastered graphic design software such as Adobe Creative Suite, acquired a deep understanding of visual elements (color, typography, layout) and graphic design principles, and gained experience in creating graphics for various mediums including websites, print, and social media.

### Sagacious stations (07/2019 - 02/2021)

- Set up data recording stations at various locations on my property, including the chicken coop, garden, and patio. Each station is equipped with a Raspberry Pi 3B, a Pi Sense HAT, and a compact webcam. These Raspberry Pis, through a Python program, gather data on the weather, humidity, pressure, and the surrounding area's audio and video. This data is then sent to a Python API, which makes it accessible via an endpoint. All of this operates within a secure, local network.

## Work Experience

|   |                              |
|---|------------------------------|
| Senior SRE / SWE  | September 2019 - Present     |
| Jahnel Group Schenectady, NY (Remote)   |                              |
| <ul style="list-style-type: none"><li>Pioneered a platform that empowers engineers to deploy services seamlessly with zero downtime, equipped with comprehensive monitoring, SLAs, and alerting mechanisms, ensuring optimal service performance and reliability.</li><li>Oversee the backend services of game studios by developing, testing, launching, maintaining, and monitoring microservices/applications.</li><li>Constructed and maintained a multi-regional cloud infrastructure that guarantees high availability, effectively accommodating the dynamic needs of the user base and enhancing service resilience.</li><li>Applied AI techniques like prompt engineering and RAG to build an efficient AI Chat Agent providing accurate and reliable information extracted and indexed from proprietary company data.</li><li>Developed an automated system for GitHub Pull Requests, improving team productivity and code quality.</li><li>Executed continuous integration and delivery of new microservices/applications and resolved large-scale deployment issues on Linux and Windows systems within a Kubernetes environment.</li></ul> |                              |
| Senior SRE / SWE  | August 2018 - September 2019 |
| Nautilus Inc Vancouver WA (Remote)  |                              |
| <ul style="list-style-type: none"><li>Set up application monitoring for a Kubernetes cluster, synthetic testing, logging, tooling automation, Terraform templates, task automation, and webhook integrations for proprietary applications and business operations.</li><li>Automated business operations, standardized source control with GIT-flow, developed application pipelines for EC2 instances and Lambdas, and crafted CloudFormation templates.</li><li>Provided support and developed serverless microservices in C#, Python3.6, and NodeJs.</li></ul>   |                              |
| Senior Full Stack Software Engineer   | August 2016 - August 2018    |
| Capsa Healthcare Portland, OR (Hybrid)  |                              |
| <ul style="list-style-type: none"><li>Rapidly prototype new capabilities.</li><li>Researched, designed and implemented interface between firmware and software.</li><li>Migrated, monitored, supported, Azure Data server, cloud services, and web applications.</li><li>Created test automations, application seed automations, and environment build and breakdown.</li></ul>   |                              |
| Systems Engineer III  | August 2015 - August 2016    |
| Integra Telecom Vancouver WA (Remote)   |                              |
| <ul style="list-style-type: none"><li>Researched, innovated, and designed scalable applications for software, firmware, and interfaces.</li><li>Implemented new utilities, data configuration, and data extraction for the application infrastructure.</li><li>Prototyped new capabilities and migrated Azure Data server, cloud services, and web applications.</li></ul>  |                              |