Nicholas Wrobel

(843) 718-8263 | nickwrobel2@gmail.com

EDUCATION

COLLEGE OF ENGINEERING AND COMPUTING, University of South Carolina   Columbia, SC
SOUTH CAROLINA HONORS COLLEGE   August 2017
Bachelor of Science, Computer Science | GPA: 3.9
Awards: Phi Beta Kappa, Eagle Scout, Palmetto Fellows Scholar, Dean's Scholar, President's Honor List

IT SKILLS

<u>Languages</u>: C#, Powershell, SQL, Python, JavaScript, HTML, CSS/SCSS, Bash, AutoHotkey, Java,, PHP, C++
<u>Frameworks/Libraries</u>: ASP.NET, Microsoft Azure DevOps (VSTS), Amazon Web Services (AWS), Google APIs, Google Cloud
Platform, Selenium, Pester, Django, Entity Framework, LINQ, NUnit, xUnit, Vue.js, jQuery, Angular.js, Bootstrap, Three.js
<u>Software</u>: VMWare ESXi & Workstation, Microsoft SQL Server, SQL Server Management Studio, MySQL, Git, Docker, Ansible,
Splunk, AppDynamics, Microsoft Exchange, Visual Studio & Visual Studio Code, Ubuntu & Red Hat Linux, Windows (all), JMeter,
Postman, Samba, Apache, Nginx, IIS, OpenVPN, pfSense, Eclipse, TeamCity, Unity, Visual Build, RSA Token Security, Grouplink
<u>Certifications</u>: CompTIA Security+
<u>Other</u>: Agile development processes, testing methodologies, CI/CD practices, automation engineering, microservice architecture, UI/UX
design, Windows domain administration, database design, server & network architecture, technical support, computing hardware

RELEVANT EXPERIENCE

OMNICELL (KFORCE)   (Remote Position)
Software Engineer   June-December 2021
- Implemented features, resolved defects, and developed unit tests for the product, driving company innovation while maintaining stability and providing reliable measurements of code quality
- Owned and completed user story assignments, managing stories during their lifecycle from creation to deployment, helping ensure that the team accomplishes work for the current Sprint
- Produced documentation for the team, which eased onboarding, established concrete processes and standards, and helped build a knowledge base
- Collaborated with the team during user story solutioning sessions, generating technical plans and helping to reveal proper and optimal implementations for new features
- Voiced ideas regarding team dynamics and sprint workflow, increasing work efficiency by highlighting issues and proposing solutions
- Developed and executed QA test plans to identify defects in the product through integration and regression testing, enhancing the quality of the product
- Adhered to existing CI/CD workflow processes during development, ensuring that deployments of new code to each environment are executed smoothly

HUMANA (KFORCE)   (Remote Position)
Software Engineer   November 2020-April 2021
- Implemented user interfaces based on prototyped designs, pushing products towards completion by materializing ideas into deliverable assets for the company
- Adopted new frameworks and technologies, such as Vue.js, and practiced optimal design patterns, engaging in independent research efforts to onboard myself and move towards making valuable contributions to a new team quickly
- Engineered and utilized APIs in a microservice architecture, ensuring reliable functionality of consumer applications and supporting their feature sets
- Expedited the work of my team by participating in daily scrum meetings, uncovering and removing roadblocks and establishing collaboration for complex issues that surface

ATLAS TECHNOLOGIES (APEX SYSTEMS)   Charleston, SC
Microsoft Systems Engineer   April 2019-March 2020
- Designed solutions to automate tedious technical processes across the project, saving time for teammates and end users alike, simplifying documentation for such processes, and reducing the amount of knowledge transfer required for future onboarding
- Developed automated integration tests for the product (a Windows domain environment) according to functional requirements, allowing compliance testing to be done against a baseline to verify product quality
- Engineered new code, focusing on modularity and clarity during design, and integrating with existing project frameworks, leveraging past work to speed up development while making durable contributions to the project

- Orchestrated the implementation of various automation tasks, collaborating with teammates as necessary and filling the role of primary subject matter expert for these projects
- Deployed the latest builds of the product to development-level infrastructure routinely, studying the architecture and process of the deployment scripts used in order to rapidly gain the knowledge required to contribute to the project
- Synthesized and presented ideas regarding improvements to the modularity and standardization of the entire project's codebase, driving forward architectural refinements to the project which would save time in future development
- Trained a new team member on the product's architecture, deployment, and use, aiding in the process of team onboarding and knowledge transfer

BLACKBAUD INC.   Charleston, SC
Site Reliability Engineer   November 2017-January 2019
- Assisted in migrating Blackbaud's flagship fundraising software solution from legacy data centers into Microsoft Azure's cloud environment, utilizing tools to move data and deploy new environments, driving the modernization of the product
- Handled patch deployments, software updates, infrastructure maintenance, and other routine operational work independently, coordinating with other teams as required
- Oversaw and owned new support issues sent to our team, organizing the details of this work in compliance with standards, engaging in collaborative research to uncover solutions, and delegating responsibility when necessary to expedite delivery
- Identified bottlenecks in operational work processes and engineered new automation solutions, reducing task time and thereby increasing our team's capacity
- Developed unit tests for Powershell scripts, validating the integrity of existing code to ensure the stability of our current automation, migration, and deployment solutions

GRAVITY INC.   Columbia, SC
Full Stack Developer, Co-founder   March 2015-January 2017
- Collaborated with a cross-functional team to generate and synthesize ideas regarding marketing, finance, legal matters, software development, and product design
- Planned and executed the creation of all infrastructure necessary to support company ventures and operations
- Managed the collection and organization of intellectual property, establishing data integrity for the company
- Developed and maintained web servers using Python, Django, MySQL, and JSON, architecting the framework for a mobile app
- Engineered ways to provide constant uptime and quick scalability of resources using Amazon Web Services, ensuring reliability
- Oversaw code deployments, backups, security, and the provisioning of both production and development servers

AVTEC INC.   Lexington, SC
Software Development Intern   May-August 2016
- Adopted the Agile Development process by participating in Standups and other meetings with a cross-functional team of seven
- Implemented a method to automate provisioning virtual machines, reducing developer time by 5%
- Assisted a team of four developers by planning and undertaking the development of new features with Visual Studio, adding functionality to an existing C#/ASP.NET application and deploying updates to systems running IIS
- Developed, optimized, and debugged database queries using LINQ and Microsoft SQL server
- Examined methods to resolve interpersonal issues within a team, demonstrating communication skills
- Validated new and existing code by writing unit tests with various C# libraries, saving company time spent in quality assurance

UNIVERSITY OF SOUTH CAROLINA (SYSEDA)   Columbia, SC
Software Engineering Intern   January-August 2015
- Supported a team in porting, improving, and maintaining a deprecated 3D visualization platform
- Integrated JavaScript code with existing RESTful ASP.NET APIs, creating new controllers and models as necessary
- Researched and developed methods to implement 3D graphics in a web browser, improving performance and modularity
- Utilized third party CSS libraries, such as Kendo UI and Bootstrap, to help create appealing website designs
- Leveraged third party JavaScript libraries such as Knockout and Backbone to help in designing concise and module code

SOUTH CAROLINA DEPT. OF HEALTH AND HUMAN SERVICES   Columbia, SC
IT Service Desk - Program Assistant   May-August 2014
- Provided Tier 1 technical support, resolving user's issues via phone and collaborating to resolve more complex problems
- Utilized team documentation to research, troubleshoot, and find solutions independently

WEBSITES
Professional Homepage: https://nwrobel.com
Github: https://github.com/nwrobel
LinkedIn: https://www.linkedin.com/in/nicholas-wrobel/