

# Nicholas Wrobel

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## EDUCATION

COLLEGE OF ENGINEERING AND COMPUTING, University of South Carolina

Columbia, SC

SOUTH CAROLINA HONORS COLLEGE

August 2017

**Bachelor of Science, Computer Science | GPA: 3.85**

**Awards:** Phi Beta Kappa, Palmetto Fellows Scholar, Dean's Scholar, President's Honor List, Eagle Scout

## IT SKILLS

Languages: C#, Powershell, Python, JavaScript, HTML, CSS/SCSS, AutoHotkey, SQL, Java, Bash, PHP, C++

Frameworks/Libraries: 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

Software: 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

Certifications: CompTIA Security+

Other: Agile development processes, testing methodologies, CI/CD, automation engineering, UI/UX design, Windows domain administration, database design, server & network architecture, technical support, computing hardware

## RELEVANT EXPERIENCE

### HUMANA

(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 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 teammates and I by participating in daily scrum meetings, uncovering and removing roadblocks and establishing collaboration for complex issues that surface

### ATLAS TECHNOLOGIES

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 and decided on the implementations 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 synthesizing 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

## SYSEDA, UNIVERSITY OF SOUTH CAROLINA

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/>