

# Nicholas Gilbert

Beaverton, OR (Portland Metro)

gitlab.gilbertdev.net — github.gilbertdev.net

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## OVERVIEW

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- Experienced systems engineer with an education background in software development looking to transition to a more dedicated DevOps role.
- Strong practical software development skills and theoretical computer science knowledge (including algorithms and data structure design) through work experience, college coursework, and personal projects.
- DevOps experience developing and maintaining cloud and on-premise deployment solutions. Interfacing with Azure DevOps and Azure cloud services.
- Well-rounded experience with a myriad of technologies and programming languages. Working knowledge and solid understanding of SQL databases and queries. Experience with Rest APIs, Java, Python, and Git.

## EXPERIENCE

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- **Systems Administrator III** Portland, OR  
*CorVel Corporation* *June 2019 - Present*
  - **Cloud Administration:** Maintained and created Infrastructure as Code (IAC) templates, pipelines, and applications deployed to Azure cloud services.
  - **Deployment Framework Development:** Modernized an on-premises deployment mechanism to utilize Azure DevOps build and release management, using a custom deployment script structure written in Powershell. Increased deployment efficiency for the organization.
  - **Automation:** Created Systems Center Orchestrator and Azure Automation runbooks to automate tasks and maintain alerting mechanisms. Utilized REST calls to integrate among various cloud services. Created function libraries to ease use of REST API endpoints.
  - **Customized Reporting:** Created customized reporting solutions for release and security standing using various mechanisms, including REST API calls and Azure Log Analytics for data collection. Leveraged Power Bi for report generation and data visualization.
- **Systems Administration Intern** Portland, OR  
*CorVel Corporation* *May 2018 - June 2019*
  - **Systems Administration:** Managed and maintained Windows desktop and server ecosystem. Utilized enterprise solutions for device monitoring, compliance, and troubleshooting.
  - **Remediation and Extension:** Developed solutions in Powershell and C# for issue remediation and for extending functionality of the desktop environment. Deployed solutions to company workstations using SCCM.
  - **DevOps Proof-Of-Concept:** Created proof-of-concept Azure DevOps Build and Release Pipelines to deploy websites to on-premises servers.
- **Computer Science Tutor** Portland, OR  
*Portland State University Department of Computer Science* *April 2017 - May 2018*
  - **Tutoring:** Aided and instructed students in understanding important undergraduate Computer Science concepts and techniques, including data structures, object oriented programming, computer science theory, and low level programming.

## EDUCATION

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- **Portland State University** Portland, OR  
*Bachelors of Science in Computer Science; Cumulative GPA: 3.95* *September 2015 - June 2019*

## PROJECTS

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- **ROBOTIS OP3 - Portland State University Capstone** C++, HTML, Javascript  
*op3-tools.gilbertdev.net, op3-demo.gilbertdev.net* January 2019 - June 2019
  - **Vision Detection Enhancements:** Developed and implemented a probability-based vision detection algorithm to improve detection of a ball for a humanoid robot's on-board camera.
  - **Cross Platform Bridge:** Created bridge for new tuning elements in the broadcast web interface to core operating service using ROS modules.
  - **Collaboration:** Worked on a team of seven under a team lead to deliver the final software product enhancements. Negotiated product requirements with the client and delivered upon those requirements as a group.
- **Personal Homepage** Elm, HTML, CSS, Javascript  
*https://gilbertdev.net*
  - **Projects Showcase:** Website written in Elm using Bootstrap 4, intended to showcase additional projects and interests not listed in this resume.

## SKILLS

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### Programming Languages

C, C++, C#, Java, Javascript  
Python, Bash Scripting, Powershell  
Haskell, Elm, HTML, CSS  
SQL

### Platforms

Ubuntu Linux  
Windows 7, Windows 10  
Windows Server 2012 - 2019  
Microsoft Azure

### Technologies

Git, TFS  
SCCM, Active Directory  
Bash, QEMU, Visual Studio  
Azure DevOps, Docker