

# Ben Humphries

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## Education

### Brigham Young University

Bachelor of Science, Computer Science (Software Engineering Emphasis)  
Minor: Business Administration

Provo, UT

Aug. 2018 - Apr. 2023

- GPA 3.55

## Professional Experience

### Northrop Grumman

#### Software Engineer

Roy, UT

Oct. 2024 - Current

- Developed a web-based tool to automate software deployment onto appropriate hardware in testing labs, streamlining testing workflows
- Designed a user-friendly interface for managing and updating a PostgreSQL database, enhancing data accessibility and system transparency
- Served as Scrum Master for a team of 6–8 developers, facilitating agile ceremonies, resolving blockers, and driving consistent story completion
- Mentored teammates on technologies and implementation best practices, saving management hours of weekly oversight

#### Associate Software Engineer

June 2023 - Oct. 2024

- Built a web application using React and Go to coordinate artifact delivery and optimize testing lab workflows
- Engineered secure and reusable Docker/Podman images to standardize code development and deployment processes
- Automated pipelines via GitLab for building, testing, and deploying software, ensuring reliable and efficient workflows
- Created Ansible scripts to streamline virtual machine setup, reducing infrastructure provisioning times
- Onboarded and mentored new hires, fostering a collaborative and supportive team culture

### Brigham Young University, College of Life Sciences

#### Full-Stack Software Engineer

Provo, UT

Jul. 2021 - Apr. 2023

- Converted a manual Graduate contract process into a website leveraging Vue and C# technologies, resulting in an improvement in efficiency and accuracy
- Created a website for managing conference rooms and vehicle reservations, using React and C# that improved the organization effectiveness of the College
- Built various REST APIs with C# and ASP.NET core with Entity Framework, interfacing with a MySQL database

### Partners Personnel (On Campus Internship)

#### Intern, Software Engineer

Orem, UT

Sept. 2022 - Apr. 2023

- Created a Django-based web application to automate payroll processing, reducing payroll preparation time by 8 hours per cycle
- Automated file format conversion for payroll data, streamlining data consistency and processing
- Applied agile development practices to iteratively deliver a solution aligned with client requirements

## Skills and Certifications

- Programming Languages: TypeScript, JavaScript, Go, Python, C#
- Frameworks & Libraries: React, Vue, Material-UI (MUI), Bootstrap, RESTful APIs, Jest, .NET, Entity Framework
- Tools & Platforms: MySQL, Microsoft SQL Server, SQL, Postgres, Git, Docker, Podman, Jira, Agile Methodology, Scrum, Linux, CI/CD pipelines, Nexus, Sonarqube, Fortify, Ansible, GitLab, GitHub
- Certifications: SAFe 6 Practitioner (Scaled Agile Framework for Enterprises)

## Interests

- Eagle Scout, Boy Scouts of America
- Open water scuba certified (Got lost at sea for over an hour on my first ocean dive!)