

Hunter Harris

hbh7@hbh7.com | hbh7.com | linkedin.com/in/hbh7 | github.com/hbh7

Work Experience

Software Engineer | Nuvalence 2022 – 2023

- Built custom software platforms and solutions for external companies and contributed to the company's open-source projects and internal tools.
- Took ownership of multiple business-critical backend microservices in Java and Spring Boot.
- Assisted with DevOps tasks such as maintaining infrastructure, profiling applications, debugging production issues, improving logging and reporting, and other tasks as necessary.
- Utilized Google Cloud Platform (GCP) resources (BigQuery, GKE/Kubernetes, GCS/Storage, JavaScript Cloud Functions, Pub/Sub) and Terraform to enhance software platforms.
- Executed full stack deployments to production and lower environments through GCP.
- Communicated with the team and external vendors in a fully remote environment, periodically prepared and led Agile meetings such as retrospectives, demonstrations, and standups.

Web Developer | Beardsworth Group Inc. *Freelance* | 2020 – 2023

- Repaired and modernized multiple company websites using WordPress.
- Developed custom functionality through themes and plugins to improve usability.

IT Support Specialist | Rensselaer Polytechnic Institute 2018 – 2022

- Collaborated with clients to troubleshoot and resolve issues, utilized a ticketing system, multitasked while maintaining attention to detail, and provided effective customer service in a timely fashion. Key contact for escalation of complex and specialized issues.

Web Developer and IT Professional | Chadwick Financial Advisors *Freelance* | 2017 – Present

- Designing and maintaining an interactive and modern company website using WordPress.
- Emphasizing increased usability and accessibility for an improved user experience.
- Maintaining various company IT resources to ensure high organizational efficiency.

Education

Master of Science in Information Technology (IT) 2021 – 2022

Rensselaer Polytechnic Institute. GPA: 3.87
Concentration in Software Design and Engineering.

Bachelor of Science in Information Technology and Web Sciences (ITWS) 2018 – 2021

Rensselaer Polytechnic Institute. GPA: 3.72, Magna Cum Laude
Concentration in Software Development and Networking.

Projects

Deciphering Kubernetes White Paper | Master's Project 2022

- Researched and wrote an in-depth overview of Kubernetes core concepts, including how to build a Kubernetes cluster and how to prepare and deploy a real-world application.
- Applied the aforementioned concepts to improve another ongoing project, Poll Buddy.
- See <https://hbh7.com/dl/kubernetes-whitepaper.pdf> for more details.

Poll Buddy | Rensselaer Center for Open-Source Software 2019 – 2022

- Collaborated with a group of students as project leader and developer to design and create Poll Buddy, an interactive questionnaire platform accessible at <https://pollbuddy.app>.
- Architected and developed the main framework for the app, with the frontend in React and the backend in Express.js. Implemented a custom CI/CD system with Docker and GitHub Actions.
- Assisted in the overall management of the class as one of five student class coordinators.

Smart Thermostat | Personal project 2020 – Present

- Independently developing the hardware and software for an open-source, highly customizable smart thermostat that can be remotely controlled, or fully automated through scheduling.
- See <https://github.com/hbh7/SmartThermostat> for more details.

Door System | Personal project 2018 – 2022

- Engineered a flexible and secure remote keyless door entry/unlocking system that doesn't require modifications to the door. Built using a Raspberry Pi, Arduino, and a servo.
- See <https://github.com/hbh7/DoorSystem> for more details.

Aperturama | Course Project 2022

- Developed a photo backup and management Flutter application that uploads to a self-hosted server to maximize privacy and security of your photos.
- See <https://github.com/Aperturama> for more details.

Technical Skills

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|---------------------------------------|----------------------------|
| • Python | Proficient, 8+ years |
| • Java | Proficient, 8+ years |
| • Spring Boot | Experienced, 1+ years |
| • Docker, Kubernetes | Proficient, 8+ years |
| • HTML, CSS, JavaScript | Proficient, 8+ years |
| • PHP | Proficient, 8+ years |
| • WordPress | Proficient, 8+ years |
| • NodeJS, Express | Proficient, 5+ years |
| • React | Experienced, 3+ years |
| • C, C++ | Proficient, 4+ years |
| • CI/CD, DevOps | Proficient, 5+ years |
| • MySQL, MariaDB, PostgreSQL, MongoDB | Proficient, 5+ years |
| • Data build tool (dbt), BigQuery | Experienced, 1+ years |
| • Cloud Technologies (Primarily GCP) | Experienced, 3+ years |
| • Git, GitHub, GitLab | Proficient, 8+ years |
| • Mobile App and Game Development | Experienced, 2+ years |
| • Flutter | Experienced, 1+ years |
| • Rust | Experienced, 1+ years |
| • Go | Currently developing skill |

Soft Skills

- Agile, Scrum, Kanban, and waterfall project management methodologies
- Time management and adherence to deadlines
- Communication (both in person and remote)
- Self-driven, highly motivated, and always learning
- Problem solving and analysis
- Working in fast-paced environments
- Collaboration and conflict resolution

Please visit hbh7.com/resume for further details