

Joshua Spencer

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Work Experience

GE Aerospace | Spring 2026 Co-Op

- Refactoring a production Perl application server hosting multiple factory floor tools, modernizing code structure and consolidating all dependencies into a self-contained environment.
- Implementing version control by migrating the codebase and file structure into the enterprise GitHub repository.
- Managing and configuring the Red Hat Linux server environment, including cron job scheduling to automate routine tasks and maintain reliable application uptime.

GE Aerospace | Summer 2025 Intern

- Authored and optimized CloudFormation templates for AWS production cloud migration.
- Configured rsync processes and cron jobs on Red Hat Linux to automate data synchronization and scheduling.
- Coordinated procurement and implementation of AWS Snowball Edge for large-scale data transfer during production migration.

Northern Kentucky University

Specialist | Oct. 2022 – Jan. 2026

- Designed and developed a Java application to automate the generation of formatted PDF reports from Excel data.
- Utilized SAP to provide critical budgeting support for Safety and Emergency Management.
- Oversee the Facilities Project web page and multiple safety management pages via AEM.

Home2 Suites by Hilton

General Manager | Jan. 2021 – Oct. 2022

- Managed all daily operations of a full-service hotel including overseeing staff, budgets, and guest experience.

Comfort Inn & Suites

Assistant General Manager | Sept. 2015 – Jan. 2021

- Served as primary supervisor overseeing all aspects of staff management including recruitment, training, scheduling, and quality control.



About Me

Computer Science student with hands-on cloud and software engineering experience from GE Aerospace internships and a decade of experience in hospitality management. Passionate about software development, cloud infrastructure, and building practical solutions.

Education

Deming High School

Class of 2011

Northern Kentucky University

Bachelor's Degree in Computer Science with a minor in Computer Information Technology and Mathematics.
December 2026

Skills

Languages & Development

C, C++, C#, Python, Java, SQL, Perl,
Full Stack Development

Cloud & Infrastructure

AWS, Linux (Red Hat, Debian),
Docker, NGINX, PFSense, Proxmox,
System Administration, Network
Administration

Tools & Platforms

SAP, AEM, Rally, GIT, SharePoint,
Microsoft Access, Microsoft 365

Management & Soft Skills

Team Leadership, Operations
Management, Customer Relations