

Brady Bangasser

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Systems engineer focused on reliability and platform work: running production HPC and cloud infrastructure, automating operations, and keeping large-scale systems available and observable under real load.

EXPERIENCE

IBM

May 2026 – Aug 2026

Firmware Engineer Intern

- Modernized Jenkins/Groovy CI/CD pipelines for firmware and software builds on IBM's Power Hypervisor (PHYP), cutting build time 17% with smart Git prefetching and by eliminating redundant double-fetching.
- Added an AI failure-analysis step to a custom build harness that root-causes failed builds from logs with an IBM internal model, then reports next steps, whether a rerun is safe, likely hardware or network causes, and who to contact, speeding incident triage.

John Deere

May 2025 – Aug 2025

Cloud Security Engineer

- Built and deployed tooling that verified 100,000+ AWS and Azure resources against company policy, NIST standards, and platform best practices.
- Designed and managed least-privilege IAM policies in AWS to tighten cloud access control.

PROJECTS

Erid: Unified Cloud Images

2026

- One Packer + Terraform pipeline that builds identical, reproducible qcow2 golden images across every major cloud (AWS, GCP, Azure, Oracle, Hetzner) and on-prem, applying the same hardening everywhere to eliminate drift.
- Standardized a hardening baseline applied identically to every target image, so security posture no longer varies by platform.

EDUCATION

Iowa State University

Ames, IA

M.S. Computer Science · GPA: 4.00

Aug 2025 – May 2027

- Concurrent B.S./M.S. program
- Coursework: Advanced Topics in High Performance Computing, Distributed Systems and Middleware, Data Security in Machine Learning, Network Design and Security

Iowa State University

Ames, IA

B.S. Computer Science · GPA: 3.79 · Dean's List

Aug 2024 – Dec 2026

- Coursework: Compiler Design and Development, AI and Machine Learning in High Performance Computing, Network Architecture and Security, Theory of Computing, Software Design Practices

TECHNICAL SKILLS

Languages: C, C++, Python, Go, Rust, Bash, TypeScript, Perl

Infrastructure & Platform: Kubernetes, Docker, Terraform, Packer, Ansible, SLURM, Prometheus, Apptainer

Cloud: AWS, Azure, Google Cloud, AWS EKS

Data & Backends: PostgreSQL, Redis